

September 9, 2019

US EPA Region 9 Air Division 75 Hawthorne Street San Francisco, CA 94105

RE: S-1328 – ACC for reporting period from 2018 through 2019

Dear Sir/Madam:

Berry Petroleum Company submits their Annual Compliance Certification for the reporting period 8/9/2018 through 8/8/2019 for Facility S-1328. The signed certification statement is included with this submission.

If you have any questions or require additional information, please do not hesitate to contact me at (661) 616-3941 or jarmstrong@bry.com

Sincerely,

Jon Armstrong EH&S Rep.

Enclosures (2)

Certification of Truth and Accuracy

| Company Name: BERRY PETROLEUM COMPANY, LLC. | Facility ID: S-1328 | |
|--|---------------------|--|
| I declare, under penalty of perjury under the laws of the and belief formed after reasonable inquiry, the statemen are true, accurate, and complete: | | |
| Signature of Responsible Official | Date | ······································ |
| Joseph Cobb | | |
| Name of Responsible Official (please print) | | |
| Regulatory and Environmental Manager | | |
| Title of Responsible Official (please print) | | |

Title V - COMPLIANCE CERTIFICATION FORM

| Company Nam | Company Name: Berry Petroleum Company (Hill Property) Facility ID: S - 1328 | | | | | |
|-----------------------------|---|--|--|--|--|--|
| Reporting Perio | od: from Augu | st 9, 2018 through | August 8, 2019 | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-0-3 | Condition #1 | Continuous | Review of Breakdown Files | | | |
| S-1328-0-3 | Condition #2 | Continuous | Review of Breakdown Files | | | |
| S-1328-0-3 | Condition #3 | Continuous | Annual APCD emission inventory | | | |
| S-1328-0-3 | Condition #4 | Continuous | All facility changes are evaluated to determine if ATC is needed. | | | |
| S-1328-0-3 | Condition #5 | Continuous | Review of regulatory files (i.e. breakdowns, deviations and variances) | | | |
| S-1328-0-3 | Condition #6 | Continuous | No permits were transferred | | | |
| S-1328-0-3 | Condition #7 | Continuous | Review of ATC applications. All permit applications met APCD requirements. | | | |
| S-1328-0-3 | Condition #8 | Continuous | Review of 3 rd lab analyses and operation records | | | |
| S-1328-0-3 | Condition #9 | Continuous | Review of Regulatory, field, and maintenance, and repair files | | | |
| S-1328-0-3 | Condition #10 | Continuous | Review of report of required monitoring, submitted timely | | | |
| S-1328-0-3 | Condition #11 | Continuous | Review of Deviations confirm reports submitted as required. | | | |
| S-1328-0-3 | Condition #12 | Continuous | Information only condition | | | |

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| S-1328-0-3 | Condition #13 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #14 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #15 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #16 | Continuous | Regulatory file review- provided APCD recordkeeping request to APCD inspector in a timely manner. | |
| S-1328-0-3 | Condition #17 | Continuous | Regulatory file review- All fees have been paid as required. | |
| S-1328-0-3 | Condition #18 | Continuous | Authorized District Representatives are allowed access to the facility as requested. | * |
| S-1328-0-3 | Condition #19 | Continuous | Authorized District Representatives are allowed access to records and copies are provided as requested. | |
| S-1328-0-3 | Condition #20 | Continuous | Authorized District Representatives are allowed access to the facility to inspect facilities, equipment, practices, or operations as requested. | |

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| S-1328-0-3 | Condition #21 | Continuous | Authorized District Representatives are allowed access to the facility to sample or monitor substances or parameters to assure compliance as requested. | | | |
| S-1328-0-3 | Condition #22 | Continuous | Visible Emissions File Review- Annual VEE performed on flare by a knowledgeable observer for the flare once annually for 15 minutes. | | | |
| S-1328-0-3 | Condition #23 | Continuous | Internal procedures – No structura coatings were applied on-site. | | | |
| S-1328-0-3 | Condition #24 | Continuous | Internal procedures – No structura coatings are stored or applied onsite. | | | |
| S-1328-0-3 | Condition #25 | Continuous | Business classification - ExxonMobil is not a coating manufacturer. | | | |
| S-1328-0-3 | Condition #26 | Continuous | Regulatory file review – Certification of Truth and Accuracy provided with all Title V reports and documents. | | | |

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| S-1328-0-3 | Condition #27 | Continuous | Service and repair invoices confirm that work is performed by a certified 3 rd party. The facility also has no appliances with greater than 50 lbs refrigerant charge. | | | |
| S-1328-0-3 | Condition #28 | Continuous | Service and repair invoices – No vehicle maintenance is performed on-site. | | | |
| S-1328-0-3 | Condition #29 | Continuous | Compliance with Dust Control Plan | | | |
| S-1328-0-3 | Condition #30 | Continuous | Compliance with Dust Control Plan | | | |
| S-1328-0-3 | Condition #31 | Continuous | Compliance with Dust Control Plan | | | |
| S-1328-0-3 | Condition #32 | Continuous | Compliance with Dust Control Plan | | | |
| S-1328-0-3 | Condition #33 | Continuous | Compliance with Dust Control Plan | | | |
| S-1328-0-3 | Condition #34 | Continuous | Compliance with Dust Control Plan | | | |

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| Company Nam | | ried instructions for more information. (1) | Facility ID: S = 1328 | |
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| S-1328-0-3 | Condition #35 | Continuous | Any demolition or renovation activity is handled through Asbestos Survey and seeking prior APCD demolition approval | |
| S-1328-0-3 | Condition #36 | Continuous | Title V certification file review | |
| S-1328-0-3 | Condition #37 | Continuous | Regulatory file review – Title V Renewal application is due no later than September 30, 2016. | |
| S-1328-0-3 | Condition #38 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #39 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #40 | Continuous | Information only condition | |
| S-1328-0-3 | Condition #41 | Continuous | Regulatory file review- Compliance Certification and Report of Required Monitoring (RRM) have been submitted timely as required (2/6/14 and 8/28/14) | |
| S-1328-0-3 | Condition #42 | Continuous | Received no complaints of public nuisance during the reporting period. | |
| S-1328-0-3 | Condition #43 | Continuous | Regulatory file review and internal information management guidelines | |

Title V - COMPLIANCE CERTIFICATION FORM

In numerical order, list all permitted units that are subject to one or more applicable requirements. List all requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions for more information.

Berry Petroleum Company (Hill Property) Facility ID: S - 1328 Company Name: August 9, 2018 Reporting Period: from through August 8, 2019 **COLUMN 2** COLUMN 1 **COLUMN 4 COLUMN 5 COLUMN 3** Permit Unit Permit Condition No. Method for determining Additional Information: Identify each deviation, Compliance Status during Number each possible exception to Compliance and each Specify each Permit Compliance Status. Period: "CONTINUOUS". Condition Number "INTERMITTENT". OR "NOT IN excursion or exceedance as defined in 40 CFR. Sequentially COMPLIANCE" Part 64. Regulatory file review - Rule 4320 Condition #1 S-1328-1-24 Continuous NOx fees paid on May 20, 2015. Regulatory file review - Annual heat input data is maintained as S-1328-1-24 Condition #2 Continuous required. Regulatory file review - Sulfur compliance report submitted Condition #3 Continuous S-1328-1-24 timely on June 11, 2015. Regulatory file review - Sulfur Condition #4 Continuous compliance report submitted S-1328-1-24 timely on June 11, 2015. Continuous Compliance by design Condition #5 S-1328-1-24 Annual SLC reports reviewed S-1328-1-24 Condition #6 Continuous Information Only - Formula used S-1328-1-24 Condition #7 Continuous to calculate emission rates Condition #8 Continuous Monthly Stack test data S-1328-1-24 Design specifications from vendor Continuous for burner; Burner design APCD S-1328-1-24 Condition #9 approved. Condition #10 Annual SLC reports reviewed Continuous S-1328-1-24 Startup and Shutdown Definitions Condition #11 Continuous S-1328-1-24 For Information Only.

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| S-1328-1-24 | Condition #12 | Continuous | Field file review – manufacturer specification confirm that start-up and shutdown cannot exceed 2 hours | | | |
| S-1328-1-24 | Condition #13 | Continuous | Information Only | | | |
| S-1328-1-24 | Condition #14 | Continuous | Annual SLC Reports and annual emission inventory | | | |
| S-1328-1-24 | Condition #15 | Continuous | Monthly 3 rd Party lab analyses of gas for H2S concentration | | | |
| S-1328-1-24 | Condition #16 | Continuous | Information Only | | | |
| S-1328-1-24 | Condition #17 | Continuous | Fuel use monitoring records and reports | | | |
| S-1328-1-24 | Condition #18 | Continuous | Regulatory file review – no changes to emission rate and PTO not surrendered | | | |
| S-1328-1-24 | Condition #19 | Continuous | Field file review of monthly steam generator portable analyzer tests | | | |
| S-1328-1-24 | Condition #20 | Continuous | Field file review of monthly steam generator portable analyzer tests | | | |
| S-1328-1-24 | Condition #21 | Continuous | Analyzer calibration records | | | |

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| S-1328-1-24 | Condition #22 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | |
| S-1328-1-24 | Condition #23 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | |
| S-1328-1-24 | Condition #24 | Continuous | Source testing documentation confirms compliance with limits. | | |
| S-1328-1-24 | Condition #25 | Continuous | Source testing documentation confirms compliance with limits. | | |
| S-1328-1-24 | Condition #26 | Continuous | Source testing documentation and source test protocol | | |
| S-1328-1-24 | Condition #27 | Continuous | Source testing documentation and source test protocol | | |
| S-1328-1-24 | Condition #28 | Continuous | Source testing documentation and source test protocol | | |
| S-1328-1-24 | Condition #29 | Continuous | Lab analysis review- monthly HHV testing performed by third party using permit specified methods. | | |

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| S-1328-1-24 | Condition #30 | Continuous | District is provided an opportunity to witness as required; ARB website confirms TRC is ARB-approved | | | |
| S-1328-1-24 | Condition #31 | Continuous | Source test documentation- report submitted within 60 days as required. | | | |
| S-1328-1-24 | Condition #32 | Continuous | Source test documents compliance testing procedures. | | | |
| S-1328-1-24 | Condition #33 | Continuous | Regulatory file review and internal data management guidelines | | | |
| S-1328-1-24 | Condition #34 | Continuous | Record Maintenance | | | |
| S-1328-2-26 | Condition #1 | Continuous | Regulatory file review – Rule 4320 | | | |
| S-1328-2-26 | Condition #2 | Continuous | Regulatory file review – Annual heat input data is maintained as required. | | | |
| S-1328-2-26 | Condition #3 | Continuous | Annual 3 rd Party lab analyses of fuel for sulfur content | | | |
| S-1328-2-26 | Condition #4 | Continuous | Regulatory file review | | | |
| S-1328-2-26 | Condition #5 | Continuous | Regulatory file review | | | |

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| S-1328-2-26 | Condition #6 | Continuous | Compliance by design | · | |
| S-1328-2-26 | Condition #7 | Continuous | Annual SLC reports reviewed | | |
| S-1328-2-26 | Condition #8 | Continuous | Information Only – formulas used to calculate emission rates. | | |
| S-1328-2-26 | Condition #9 | Continuous | Monthly stack test data | | |
| S-1328-2-26 | Condition #10 | Continuous | Design specifications from vendor for burner; Burner design APCD approved | | |
| S-1328-2-26 | Condition #11 | Continuous | Annual SLC reports reviewed | | |
| S-1328-2-26 | Condition #12 | Continuous | Startup and Shutdown Definitions - For Information Only | | |
| S-1328-2-26 | Condition #13 | Continuous | Field file review – manufacturer specification confirms that start-up and shutdown cannot exceed 2 hours. | | |
| S-1328-2-26 | Condition #14 | Continuous | Information Only condition | | |
| S-1328-2-26 | Condition #15 | Continuous | Annual SLC Reports and annual emission inventory. | | |
| S-1328-2-26 | Condition #16 | Continuous | Monthly third-party sampling and lab analyses for H2S | | |

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| S-1328-2-26 | Condition #17 | Continuous | Information Only | | | |
| S-1328-2-26 | Condition #18 | Continuous | Fuel use monitoring records and reports review | | | |
| S-1328-2-26 | Condition #19 | Continuous | Regulatory file review – no changes to emission rate and PTO not surrendered. | | | |
| S-1328-2-26 | Condition #20 | Continuous | Field file review of monthly steam generator portable analyzer tests. | | | |
| S-1328-2-26 | Condition #21 | Continuous | Field file review of monthly steam generator portable analyzer tests. | | | |
| S-1328-2-26 | Condition #22 | Continuous | Portable analyzer Calibration records | | | |
| S-1328-2-26 | Condition #23 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | | |
| S-1328-2-26 | Condition #24 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | | |
| S-1328-2-26 | Condition #25 | Continuous | Source testing documentation confirms compliance with limits | | | |

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| S-1328-2-26 | Condition #26 | Continuous | Source testing and source test protocol documentation | |
| S-1328-2-26 | Condition #27 | Continuous | Source tests and source test protocol documentation | |
| S-1328-2-26 | Condition #28 | Continuous | Source tests and source test protocol documentation – APCD is notified at least 30 days prior to any compliance source testing. | 3 |
| S-1328-2-26 | Condition #29 | Continuous | Source tests and source test protocol documentation | |
| S-1328-2-26 | Condition #30 | Continuous | Lab analysis review- monthly HHV testing performed by third party using permit specified methods. | |
| S-1328-2-26 | Condition #31 | Continuous | District is provided an opportunity to witness as required; ARB website confirms TRC is ARB-approved | |
| S-1328-2-26 | Condition #32 | Continuous | Source test documentation- report submitted within 60 days as required. | |
| S-1328-2-26 | Condition #33 | Continuous | Source test documentation and compliance testing procedures. | |

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| S-1328-2-26 | Condition #34 | Continuous | Record Maintenance | | | |
| S-1328-3-24 | Condition #1 | Continuous | Regulatory file review – Rule 4320 fees were paid on May 20, 2015. | | | |
| S-1328-3-24 | Condition #2 | Continuous | Regulatory file review – Annual heat input data is maintained as required. | | | |
| S-1328-3-24 | Condition #3 | Continuous | Regulatory file | | | |
| S-1328-3-24 | Condition #4 | Continuous | Regulatory file review | | | |
| S-1328-3-24 | Condition #5 | Continuous | Compliance by design | | | |
| S-1328-3-24 | Condition #6 | Continuous | Annual SLC reports reviewed | | | |
| S-1328-3-24 | Condition #7 | Continuous | Information Only – formulas used to calculate emission rates. | | | |
| S-1328-3-24 | Condition #8 | Continuous | Monthly stack test data | | | |
| S-1328-3-24 | Condition #9 | Continuous | Design specifications from vendor for burner; Burner design APCD approved | | | |
| S-1328-3-24 | Condition #10 | Continuous | Annual SLC reports reviewed | | | |
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| S-1328-3-24 | Condition #12 | Continuous | Field file review – manufacturer specification confirms that start-up and shutdown cannot exceed 2 hours. | | |
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| S-1328-3-24 | Condition #22 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | | |
| S-1328-3-24 | Condition #23 | Continuous | Field file review of portable analyzer testing, annual calibration receipts, and no corrective actions needed to maintain limits. | | | |
| S-1328-3-24 | Condition #24 | Continuous | Source testing documentation confirms compliance with limits | · | | |
| S-1328-3-24 | Condition #25 | Continuous | Source testing and source test protocol documentation | | | |
| S-1328-3-24 | Condition #26 | Continuous | Source tests and source test protocol documentation | | | |
| S-1328-3-24 | Condition #27 | Continuous | Source tests and source test protocol documentation – APCD is notified at least 30 days prior to any compliance source testing. | | | |
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| S-1328-3-24 | Condition #31 | Continuous | Source test documentation- report submitted within 60 days as required. | | |
| S-1328-3-24 | Condition #32 | Continuous | Source test documentation and compliance testing procedures. | | |
| S-1328-3-24 | Condition #33 | Continuous | Regulatory file review and internal data management guidelines | | |
| S-1328-3-24 | Condition #34 | Continuous | Record Maintenance | | |
| S-1328-7-23 | Condition #1 | Continuous | Regulatory file review – current list of all steam enhanced wells annual report submitted timely. | | |
| S-1328-7-23 | Condition #2 | Continuous | Facility design | | |
| S-1328-7-23 | Condition #3 | Continuous | Sulfa-treat Media used on-site | | |
| S-1328-7-23 | Condition #4 | Continuous | Facility design and review of SLC spreadsheet | | |
| S-1328-7-23 | Condition #5 | Continuous | Annual SLC reports and breakdown/deviation reports review. | | |

Title V - COMPLIANCE CERTIFICATION FORM

| box, before mo | box, before moving on to the next permit number. Refer to the attached instructions for more information. | | | | | |
|-----------------------------|---|--|--|---|--|--|
| Company Nam | ne: Berry Petroleu |) F | Facility ID: S = 1328 | | | |
| Reporting Period | od: from Aug u | ıst 9, 2018 through | August 8, 2019 | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-7-23 | Condition #6 | Continuous | Regulatory File Review-Annual Operator Management Plan | | | |
| S-1328-7-23 | Condition #7 | Continuous | Calculation of steam enhanced crude oil production wells FE component VOC emissions confirmed under limit. | | | |
| S-1328-7-23 | Condition #8 | Continuous | Lab analysis review- monthly VOC % by weight testing performed by third party | | | |
| S-1328-7-23 | Condition #9 | Continuous | Annual SLC reports reviewed | | | |
| S-1328-7-23 | Condition #10 | Continuous | Information Only | | | |
| S-1328-7-23 | Condition #11 | Continuous | Review of SLC spreadsheets and annual emissions inventory | | | |
| S-1328-7-23 | Condition #12 | Continuous | Procedures as necessary only if operational data failure | | | |
| S-1328-7-23 | Condition #13 | Continuous | Authority to Construct application was submitted to modify daily SLC limits reflected in this permit | | | |
| S-1328-7-23 | Condition #14 | Continuous | APCD approved Rule 4311 FMP | | | |
| S-1328-7-23 | Condition #15 | Continuous | Compliance by flare design | | | |
| S-1328-7-23 | Condition #16 | Continuous | Compliance by flare design | | | |

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| box, before moving on to the next permit number. Refer to the attached instructions for more information. | | | | | |
|---|---|--|--|---|--|
| Company Nam | ne: Berry Petroleu |) F | Facility ID: S = 1328 | | |
| Reporting Peri | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-7-23 | Condition #17 | Continuous | Compliance by flare design | | |
| S-1328-7-23 | Condition #18 | Continuous | Compliance by flare design | | |
| S-1328-7-23 | Condition #19 | Continuous | Compliance by Design of equipment | | |
| S-1328-7-23 | Condition #20 | Continuous | Compliance by Design of equipment | | |
| S-1328-7-23 | Condition #21 | Continuous | Fuel use monitoring records and reports review | | |
| S-1328-7-23 | Condition #22 | Continuous | Monthly 3 rd party lab sampling, SLC spreadsheet | | |
| S-1328-7-23 | Condition #23 | Continuous | Monthly 3 rd party lab sampling, SLC spreadsheet | | |
| S-1328-7-23 | Condition #24 | Continuous | Gas and liquid leaks - Information only condition | | |
| S-1328-7-23 | Condition #25 | Continuous | Steam-enhanced crude oil well undergoing service or repair when well is not producing exempt from Rule 4401 - Information only condition | | |

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| box, before moving on to the next permit number. Refer to the attached instructions for more information. | | | | | | |
|---|---|--|---|--|--|--|
| Company Nam | ne: Berry Petroleu |) F | Facility ID: S = 1328 | | | |
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-7-23 | Condition #26 | Continuous | Rule 4401 – Rule shall not apply to components serving produced fluid line - Information only condition | | | |
| S-1328-7-23 | Condition #27 | Continuous | Information only condition | | | |
| S-1328-7-23 | Condition #28 | Continuous | Information only condition | | | |
| S-1328-7-23 | Condition #29 | Continuous | Violate Rule 4401 – Section 5.4 Open-ended line or valve located at the end of the line not sealed with a blind flange, plug, cap or a second closed valve - Compliance by design | During an APCD inspection 6 open-ended lines were discovered on vessels 801T and one was discovered on 601T. All open-ended lines were corrected immediately. | | |
| S-1328-7-23 | Condition #30 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #31 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #32 | Continuous | Daily Operator Inspection | | | |
| S-1328-7-23 | Condition #33 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #34 | Continuous | Regulatory File Review- Monthly 3 rd party lab sampling shows <10% by weight VOC content | | | |

Title V - COMPLIANCE CERTIFICATION FORM

| DOX, Delote IIIC | box, before moving on to the next permit number. Refer to the attached instructions for more information. | | | | | |
|-----------------------------|---|--|--|--|--|--|
| Company Nam | e: Berry Petroleu |) F | Facility ID: S = 1328 | | | |
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-7-23 | Condition #35 | Continuous | Regulatory File Review- Monthly 3 rd party lab sampling shows <10% by weight VOC content | | | |
| S-1328-7-23 | Condition #36 | Continuous | Regulatory File Review- Monthly 3 rd party lab sampling shows <10% by weight VOC content | | | |
| S-1328-7-23 | Condition #37 | Continuous | Regulatory File Review-Monthly 3 rd party lab sampling shows <10% by weight VOC content | | | |
| S-1328-7-23 | Condition #38 | Continuous | Regulatory File Review- Monthly 3 rd party lab sampling shows <10% by weight VOC content | | | |
| S-1328-7-23 | Condition #39 | Continuous | Information only condition | | | |
| S-1328-7-23 | Condition #40 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #41 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #42 | Continuous | Operator Management Plan Review – LDAR review | | | |
| S-1328-7-23 | Condition #43 | Continuous | Operator Management Plan Review – LDAR review | | | |

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| box, before moving on to the next permit number. Refer to the attached instructions for more information. | | | | | |
|---|---|--|--|--|--|
| Company Name: Berry Petroleum Company (Hill Property) Facility ID: S = 1328 | | | | | |
| Reporting Peri | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-7-23 | Condition #44 | Continuous | Operator Management Plan Review – LDAR review | | |
| S-1328-7-23 | Condition #45 | Continuous | Operator Management Plan Review – LDAR review | | |
| S-1328-7-23 | Condition #46 | Continuous | Operator Management Plan Review – LDAR review | | |
| S-1328-7-23 | Condition #47 | Continuous | Operator Management Plan (OMP) Review – LDAR review | | |
| S-1328-7-23 | Condition #48 | Continuous | Regulatory file review and internal data management guidelines | | |
| S-1328-7-23 | Condition #49 | Continuous | Regulatory file review – report generated by Reservoir group | | |
| S-1328-7-23 | Condition #50 | Continuous | Operator Management Plan Review – LDAR review – calibration records. | | |
| S-1328-7-23 | Condition #51 | Continuous | Regulatory file review – training records | | |
| S-1328-7-23 | Condition #52 | Continuous | Annual APCD Approved OMP | | |
| S-1328-7-23 | Condition #53 | Continuous | Annual PRD Report- submitted timely | | |
| S-1328-7-23 | Condition #54 | Continuous | Compliance by design | | |
| S-1328-7-23 | Condition #55 | Continuous | Compliance by design | | |

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In numerical order, list all permitted units that are subject to one or more applicable requirements. List all requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions for more information.

Facility ID: S - 1328 Company Name: Berry Petroleum Company (Hill Property) Reporting Period: from August 9, 2018 through August 8, 2019 **COLUMN 2 COLUMN 3 COLUMN 4 COLUMN 5 COLUMN 1** Permit Unit Permit Condition No. Method for determining Additional Information: Identify each deviation, Compliance Status during Number Compliance Status. each possible exception to Compliance and each Specify each Permit Period: "CONTINUOUS". Condition Number excursion or exceedance as defined in 40 CFR. "INTERMITTENT", OR "NOT IN COMPLIANCE" Part 64. Sequentially Lab analysis review- monthly VOC Condition #56 Continuous testing performed by third party S-1328-7-23 using permit specified methods. Regulatory file review-inspection Condition #57 Continuous S-1328-7-23 logs Lab analysis review- monthly VOC testing performed by third party Condition #58 Continuous S-1328-7-23 using permit specified methods. Regulatory file review-inspection Condition #59 Continuous S-1328-7-23 logs Regulatory file review - training Condition #60 S-1328-7-23 Continuous records Operator Management Plan Condition #61 Continuous S-1328-7-23 Review - LDAR review Annual OMP submitted S-1328-7-23 Condition #62 Continuous Information Only S-1328-7-23 Continuous Condition #63 Condition #64 Information Only S-1328-7-23 Continuous Information Only S-1328-7-23 Condition #65 Continuous Compliance by Design S-1328-58-4 Condition #1 Continuous Breakdown/Deviations records review

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| Company Nam | |) | Facility ID: S = 1328 | | | |
|-----------------------------|---|--|--|--|--|--|
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-58-4 | Condition #2 | Continuous | Review of Breakdown/Deviation/Variance Reports | | | |
| S-1328-58-4 | Condition #3 | Continuous | Review of Breakdown/Deviation/Variance Reports | | | |
| S-1328-58-4 | Condition #4 | Continuous | Review of Breakdown/Deviation/Variance Reports | | | |
| S-1328-58-4 | Condition #5 | Continuous | Information condition only | | | |
| S-1328-58-4 | Condition #6 | Continuous | Information condition only | | | |
| S-1328-58-4 | Condition #7 | Continuous | Equipped with gas-tight cover | | | |

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| Company Nam | Company Name: Berry Petroleum Company (Hill Property) Facility ID: S = 1328 | | | | | |
|-----------------------------|---|--|---|---|--|--|
| Reporting Period | od: from Augu | st 9, 2018 through | August 8, 2019 | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | | |
| S-1328-58-4 | Condition #8 | Continuous | Regulatory records review | | | |
| S-1328-58-4 | Condition #9 | Continuous | Compliance by design | | | |
| S-1328-58-4 | Condition #10 | Continuous | Review of Breakdown/Deviation/Variance Reports | | | |
| S-1328-58-4 | Condition #11 | Continuous | Internal record retention 5 year guidelines requirement | | | |
| S-1328-59-1 | Condition #1 | Continuous | Good operating practice-metering | | | |
| S-1328-59-1 | Condition #2 | Continuous | Compliance by design-stack | | | |
| S-1328-59-1 | Condition #3 | Continuous | Compliance by design-public nuisance | | | |
| S-1328-59-1 | Condition #4 | Continuous | Compliance by design-20% opacity | | | |
| S-1328-59-1 | Condition #5 | Continuous | Good operating practice | | | |

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| Company Nam | Company Name: Berry Petroleum Company (Hill Property) Facility ID: S = 1328 | | | | |
|-----------------------------|---|--|--|---|--|
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-59-1 | Condition #6 | Continuous | File field review-fuel quality | | |
| S-1328-59-1 | Condition #7 | Continuous | File field review-fuel sulfur limit | | |
| S-1328-59-1 | Condition #8 | Continuous | Quarterly 3rd party HHV analysis documentation | | |
| S-1328-59-1 | Condition #9 | Continuous | Quarterly 3 rd party HHV analysis documentation | | |
| S-1328-59-1 | Condition #10 | Continuous | Compliance by design-Emission limit | | |
| S-1328-59-1 | Condition #11 | Continuous | Compliance by design- startup/shutdown period | | |
| S-1328-59-1 | Condition #12 | Continuous | Information only-definition of Startup/shutdown | | |
| S-1328-59-1 | Condition #13 | Continuous | Source testing conducted within the timeframe | | |
| S-1328-59-1 | Condition #14 | Continuous | Regulatory file review for source test plan | | |
| S-1328-59-1 | Condition #15 | Continuous | Source test protocol submitted within the timeframe | | |
| S-1328-59-1 | Condition #16 | Continuous | Source test result submitted within the timeframe | | |

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S - 1328 | |
|---|---|--|---|---|--|
| Reporting Peri | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit · Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-59-1 | Condition #17 | Continuous | Regulatory file review for source testing of NOx | | |
| S-1328-59-1 | Condition #18 | Continuous | Regulatory file review for source testing for CO | | |
| S-1328-59-1 | Condition #19 | Continuous | Regulatory file review for stack gas O2 determination | | |
| S-1328-59-1 | Condition #20 | Continuous | Regulatory file review for fuel sulfur content analysis | | |
| S-1328-59-1 | Condition #21 | Continuous | Regulatory file review for source testing | | |
| S-1328-59-1 | Condition #22 | Continuous | Regulatory file review for source testing | | |
| S-1328-59-1 | Condition #23 | Continuous | Monthly stack monitoring review | | |
| S-1328-59-1 | Condition #24 | Continuous | Stack monitoring review | | |
| S-1328-59-1 | Condition #25 | Continuous | Regulatory file review for alternative monitoring | | |
| S-1328-59-1 | Condition #26 | Continuous | Annual 3rd party fuel sulfur analysis | | |
| S-1328-59-1 | Condition #27 | Continuous | Annual 3 rd party fuel sulfur analysis | | |
| S-1328-59-1 | Condition #28 | Continuous | Fuel purchase documentation | | |

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S = 1328 | |
|---|---|--|--|---|--|
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-59-1 | Condition #29 | Continuous | Notification of startup | | |
| S-1328-59-1 | Condition #30 | Continuous | Record maintenance | | |
| S-1328-59-1 | Condition #31 | Continuous | Record maintenance | | |
| S-1328-59-1 | Condition #32 | Continuous | Record maintenance | | |
| S-1328-60-1 | Condition #1 | Continuous | Good operating practice-metering | | |
| S-1328-60-1 | Condition #2 | Continuous | Compliance by design-stack | | |
| S-1328-60-1 | Condition #3 | Continuous | Compliance by design-public nuisance | | |
| S-1328-60-1 | Condition #4 | Continuous | Compliance by design-20% opacity | | |
| S-1328-60-1 | Condition #5 | Continuous | Good operating practice | | |
| S-1328-60-1 | Condition #6 | Continuous | File field review-fuel quality | | |
| S-1328-60-1 | Condition #7 | Continuous | File field review-fuel sulfur limit | | |
| S-1328-60-1 | Condition #8 | Continuous | Quarterly 3rd party HHV analysis documentation | | |
| S-1328-60-1 | Condition #9 | Continuous | Quarterly 3 rd party HHV analysis documentation | | |
| S-1328-60-1 | Condition #10 | Continuous | Compliance by design-Emission limit | | |

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S = 1328 | |
|--|---|--|---|---|--|
| Reporting Period: from August 9, 2018 through August 8, 2019 | | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-60-1 | Condition #11 | Continuous | Compliance by design- startup/shutdown period | | |
| S-1328-60-1 | Condition #12 | Continuous | Information only-definition of Startup/shutdown | | |
| S-1328-60-1 | Condition #13 | Continuous | Source testing conducted within the timeframe | | |
| S-1328-60-1 | Condition #14 | Continuous | Regulatory file review for source test plan | | |
| S-1328-60-1 | Condition #15 | Continuous | Source test protocol submitted within the timeframe | | |
| S-1328-60-1 | Condition #16 | Continuous | Source test result submitted within the timeframe | | |
| S-1328-60-1 | Condition #17 | Continuous | Regulatory file review for source testing of NOx | | |
| S-1328-60-1 | Condition #18 | Continuous | Regulatory file review for source testing for CO | | |
| S-1328-60-1 | Condition #19 | Continuous | Regulatory file review for stack gas O2 determination | | |
| S-1328-60-1 | Condition #20 | Continuous | Regulatory file review for fuel sulfur content analysis | | |
| S-1328-60-1 | Condition #21 | Continuous | Regulatory file review for source testing | | |

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S - 1328 | |
|---|---|--|--|---|--|
| Reporting Period | Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. | |
| S-1328-60-1 | Condition #22 | Continuous | Regulatory file review for source testing | | |
| S-1328-60-1 | Condition #23 | Continuous | Monthly stack monitoring review | | |
| S-1328-60-1 | Condition #24 | Continuous | Stack monitoring review | | |
| S-1328-60-1 | Condition #25 | Continuous | Regulatory file review for alternative monitoring | | |
| S-1328-60-1 | Condition #26 | Continuous | Annual 3rd party fuel sulfur analysis | | |
| S-1328-60-1 | Condition #27 | Continuous | Annual 3 rd party fuel sulfur analysis | | |
| S-1328-60-1 | Condition #28 | Continuous | Fuel purchase documentation | | |
| S-1328-60-1 | Condition #29 | Continuous | Notification of startup | | |
| S-1328-60-1 | Condition #30 | Continuous | Record maintenance | | |
| S-1328-60-1 | Condition #31 | Continuous | Record maintenance | | |
| S-1328-60-1 | Condition #32 | Continuous | Record maintenance | | |
| S-1328-61-1 | Condition #1 | Continuous | Maintain component count and calculated emissions | | |
| S-1328-61-1 | Condition #2 | Continuous | Compliance by VOC Rate | | |

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In numerical order, list all permitted units that are subject to one or more applicable requirements. List all requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions for more information.

S - 1328 Facility ID: Company Name: Berry Petroleum Company (Hill Property) Reporting Period: from August 9, 2018 August 8, 2019 through COLUMN 2 COLUMN 1 COLUMN 3 **COLUMN 4 COLUMN 5** Permit Unit Permit Condition No. Method for determining Additional Information: Identify each deviation. Compliance Status during Number each possible exception to Compliance and each Specify each Permit Period: "CONTINUOUS". Compliance Status. Condition Number "INTERMITTENT". OR "NOT IN excursion or exceedance as defined in 40 CFR. COMPLIANCE" Part 64 Sequentially Compliance by VOC content of S-1328-61-1 Condition #3 Continuous gas S-1328-61-1 Condition #4 Continuous Gas and liquids definition S-1328-61-1 Condition #5 Continuous Well exemption during workover Component exemption on S-1328-61-1 Condition #6 Continuous produced fluid line S-1328-61-1 Proof requirement for component Condition #7 Continuous exemption Compliance by VOC collection S-1328-61-1 Condition #8 Continuous system and/or closed well vent S-1328-61-1 No open-ended lines Condition #9 Continuous S-1328-61-1 Liquids and gas leaks Continuous Condition #10 S-1328-61-1 Tagging of leaking components Condition #11 Continuous Good operating practice (Closed S-1328-61-1 Condition #12 Continuous hatches) S-1328-61-1 Documentation of changes Continuous Condition #13 S-1328-61-1 Annual Component inspections Condition #14 Continuous S-1328-61-1 Annual pipe inspection and repair Condition #15 Continuous S-1328-61-1 Equipment inspections Condition #16 Continuous S-1328-61-1 Post-release PRD Inspection Condition #17 Continuous

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S - 1328 |
|--|---|--|--|--|
| Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| S-1328-61-1 | Condition #18 | Continuous | Inspection of unsafe-to-monitor components | |
| S-1328-61-1 | Condition #19 | Continuous | District inspections not countable | |
| S-1328-61-1 | Condition #20 | Continuous | Tagging requirements for leaks | |
| S-1328-61-1 | Condition #21 | Continuous | Maintaining tags until proper maintenance of components has been performed | |
| S-1328-61-1 | Condition #22 | Continuous | Operational response to leaks | |
| S-1328-61-1 | Condition #23 | Continuous | Operational response to unresponsive non-essential component leaks | |
| S-1328-61-1 | Condition #24 | Continuous | Response time for leak repair | |
| S-1328-61-1 | Condition #25 | Continuous | Repair period based on leak rate | |
| S-1328-61-1 | Condition #26 | Continuous | Initiation of leak repair period | |
| S-1328-61-1 | Condition #27 | Continuous | Repair periods for essential or critical components | |
| S-1328-61-1 | Condition #28 | Continuous | Maintain records for 5 years | |
| S-1328-61-1 | Condition #29 | Continuous | Record keeping | |
| S-1328-61-1 | Condition #30 | Continuous | Instrument calibration record keeping | |
| S-1328-61-1 | Condition #31 | Continuous | Maintain training records | |

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| Company Name: Berry Petroleum Company (Hill Property) | | | | Facility ID: S = 1328 |
|--|---|--|--|---|
| Reporting Period: from August 9, 2018 through August 8, 2019 | | | | |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| S-1328-61-1 | Condition #32 | Continuous | Maintain OMP at facility | |
| S-1328-61-1 | Condition #33 | Continuous | PRD release record keeping | |
| S-1328-61-1 | Condition #34 | Continuous | Rules for exemption of annual testing | |
| S-1328-61-1 | Condition #35 | Continuous | Required EPA methods for determination of control efficiency | |
| S-1328-61-1 | Condition #36 | Continuous | Required methods for VOC content analysis | |
| S-1328-61-1 | Condition #37 | Continuous | Leak inspection with portable hydrocarbon detection instrument | |
| S-1328-61-1 | Condition #38 | Continuous | Required ASTM method for determination of VOC content by wt. | |
| S-1328-61-1 | Condition #39 | Continuous | Record keeping | |
| S-1328-61-1 | Condition #40 | Continuous | Employee training and record keeping program | |
| S-1328-61-1 | Condition #41 | Continuous | Operating in accordance with OMP | |
| S-1328-61-1 | Condition #42 | Continuous | Annual report submission | |
| S-1328-61-1 | Condition #43 | Continuous | Gas VOC content records keeping | |
| S-1328-61-1 | Condition #44 | Continuous | Record keeping for 5 years | |

Title V - COMPLIANCE CERTIFICATION FORM

Title V - COMPLIANCE CERTIFICATION FORM

INSTRUCTIONS (TVFORM-006)

Follow the instructions for filling out the Certification Form Table Columns #1 through Column #5 for the requirements for each permitted emissions unit, as well as for facility-wide requirements.

- Column 1. PERMIT NUMBER References the District permit by permit number (e.g. S-1234-6-0). The entire permit number including the region, facility, equipment, and modification number must be cited.
- Column 2. CITE PERMIT CONDITION NUMBER to identify each term or condition of the permit that is the basis of the certification (i.e. condition #6).
- Column 3. COMPLIANCE STATUS Give the compliance status of the permitted unit with respect to the condition.

Continuous - If the permitted unit has been in full compliance with the permit condition for the entire certification period, write **Continuous** in this column.

Intermittent - If the permitted unit has only been in compliance with the permit condition for a portion of the certification period, write **Intermittent** in this column.

Not in Compliance - If the permitted unit was not in compliance with the permit condition during the certification period, write **Not in Compliance** in this column.

- Column 4. METHOD OF DETERMINING COMPLIANCE Describe how compliance with the condition was determined (e.g. Opacity Measured by EPA Method 9 weekly, Opacity recorded weekly). For monitoring, recordkeeping, and reporting requirements, describe the monitoring, recordkeeping and reporting practices utilized.
- Column 5. NOTES Include or reference any Additional Information: (e.g. breakdown reports, etc) that the District may require for determining compliance status. Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64.

After completing this form, mail the original along with a Certification of Truth and Accuracy to:

San Joaquin Valley Air Pollution Control District Compliance Department 1990 E. Gettysberg Avenue Fresno, CA 93726

And a copy of these forms to:

US EPA Region 9 Air Division 75 Hawthorne Street San Francisco, CA 94105



July 22, 2019

Ms. Stephanie Aranda San Joaquin Valley APCD 34946 Flyover Court Bakersfield, CA 93308 RECEIVED

JUL 23 2019

SJVAPCD

Southern Region

Mr. Gerardo Rios U.S. EPA, Region IX 75 Hawthorne Street San Francisco, CA 94105

RE: S-1548-148 Flare Pilot Monitoring Semi-Annual Results

Section 20 Dehydration Facility

Ms. Aranda and Mr. Rios:

The San Joaquin Valley Air Pollution Control District issued Permit to Operate (PTO) #S-1548-148 requires semi-annual reporting of all periods when the flare's pilot flame was not present. The attached table lists all periods when the pilot flame was absent from January 1, 2019 through June 30, 2019.

Should you have any questions or require additional information, please do not hesitate to contact John Ludwick at (661) 665-4472.

Title V Certification:

I declare, based on information and belief formed after reasonable inquiry, that all information in this report is true, accurate and complete.

R.W. South

Process Supervisor

cc: A. D. Albracht, Aera

DEHY 20 FLARE PILOT STATUS January 1, 2019 - June 30, 2019

| | - | No Pilot Fla | me - Start | No Pilot Fl | ame - End | |
|---------------|------------|--------------|------------|-------------|-----------|---|
| Equipment | Permit # | Date | Time | Date | Time | Comments |
| Dehy 20 Flare | S-1548-148 | 02/26/2019 | 4:43 PM | 02/26/2019 | 7:15 PM | The flare pilot ignitor relay lost power due to a blown fuse. |



June 25, 2019

Mr. Gerardo Rios US EPA Region IX Air - 3 75 Hawthorne Street San Francisco, CA 94105

Compliance Title V Reporting San Joaquin Valley Air Pollution Control District 1990 E. Gettysburg Avenue Fresno, CA 93726-0244

Submitted via email

Subject:

Title V Annual Compliance Certification

Facility S-382

Dear Compliance Manager:

Please see attached Facility S-382 Annual Compliance Certification report for California Resources Elk Hills, LLC for the time period of June 1, 2018 through May 31, 2019.

If you or members of your staff have any questions or comments, I can be reached at (661) 412-5451.

Sincerely,

Juan Campos

Sr. Environmental Advisor

Attachment

cc:

Raymond Rodriguez, CRC North Environmental Director

Certification of Truth and Accuracy

| Company Name: CALIFORNIA RESOURCES ELK HILL | S, LLC | Facility ID: S-382 |
|---|--------|--------------------|
| I declare, under penalty of perjury under the laws of the and belief formed after reasonable inquiry, the statemen are true, accurate, and complete: Signature of Responsible Official | | |
| Name of Responsible Official (please print) | | |
| Director Environmental Title of Responsible Official (please print) | | |
| | | |

Annual Compliance Certification for period June 1, 2018 through May 31, 2019.

This certification covers the following event:

Jim Adams Senior Env. Consultant Midstream HSE PHILLIPS G G

PHILLIPS 66 3900 Kilroy Airport Way, Suite 210 Long Beach, CA. 92823 Phone 562-290-1516 j.a.adams@p66.com

September 16, 2019

Compliance Title V Reporting San Joaquin Valley APCD 34946 Flyover Court Bakersfield, CA 93308-9725

RE:

Annual Compliance Certification and 2nd half RRM PHILLIPS 66 MIDWAY PUMP STATION S - 1525

1441 Wade Ave. Taft, Ca. 93268

To whom it may concern:

Attached please find the Annual Compliance Certification and RRM for this latest period, for the facility referenced above. The compliance period date was determined by Ms. Renee Chavez of your agency.

If you have any questions regarding this request, please contact the undersigned at (562) 290-1516 or Mr. Cary Dargusch at (661)-978-6995.

Sincerely.

∕Jim Adams

Attachments

Xc:

with attachments Cary Dargusch

Stephanie Arranda-SJVAPCD

USEPA Region 9, Air-3 75 Hawthorne St.

San Francisco, CA 94105

File:

ENV. 040.0700 - HSE480

TITLE V - REPORT OF REQUIRED MONITORING

| Company Name: Phillips | 66 Pipe Line Compan | У | | Facility ID: | S - | 1525 |
|---|------------------------|---------------|-----------------|--------------|------------|------|
| Reporting Period: from | 2/28/2019 | through | 8/27/19 | | | |
| CERTIFICATION: | | | | | | |
| I declare, under penalty of and belief formed after r accurate, and addresses | easonable inquiry, all | information p | provided in t | | | |
| GUM MA | A) | | <u>9-16-201</u> | <u>19</u> | | |
| Signature of Responsible | e Official | | Date | | | |
| Gabe Munoz | | | | | | |
| Name of Responsible Of | ficial (please print) | | | | | |
| West Coast Region Mana | | | | | | |

Mail to: District Central Regional Office

Title V - REPORT OF REQUIRED MONITORING - DEVIATION FORM

In numerical order list all permitted units that are subject to an applicable monitoring requirement for which a deviation occurred during the reporting period. List monitoring requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions.

| | | | Line Company | | g on to the next permit | Facility ID | |
|-----------------------------|---|--|-------------------|---|--|--------------------------|--|
| Reporting | Period: from | Feb. 28, 2 | 019 throug | h August | 27, 2019 | Page: 1 | of 1 |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition # (Specify the Condition # for required monitoring) | COLUMN 3 Parameters Monitored (e.g. ppm NOx, exhaust temp –0F, etc.) | (Dates and Times) | COLUMN 5 Limit (e.g. 30 ppm, 10 psi, 25 lb/day, etc.) | COLUMN 6 Actual (e.g. 37.2 ppm, 3 psi, 30 lb/day, etc) | n or Excess d of each | COLUMN 8 Notes (e.g. cause, corrective action, etc.) |
| S-1525 | | | NONE | | | | |
| | · | | | | | | |

Certification of Truth and Accuracy

| Company Name: | Phillips (| 6 Midway | Pump | Station | | Facility ID: | S | - | 1525 |
|--|------------------|-----------|------|----------------|-------|--------------|---|---|------|
| | | | | | | | | | |
| I declare, under pena and belief formed aft are true, accurate, ar | ter reasonable | | | | | | | | |
| Galu Di | MEJ | | | | 9 - 1 | 16-2019 | | | |
| Signature of Respons | sible Official | | | | Date | | | | |
| Gabe Munoz | | | | | | | | | |
| Name of Responsible | e Official (plea | se print) | | | | | | | |
| WC Midstream R | | | | industrialists | | | | | |
| Title of Responsible (| Official (please | e print) | | | | | | | |

Title V - COMPLIANCE CERTIFICATION FORMS

| Company Name: | Phillips 66 Midway | y Pump Station | | Facility ID: S-1525 |
|---------------------------------------|---|--|--|---|
| Certification Pe | eriod: 8/28/18 - 8 | B/27/19 | | Page 1 of 4 |
| <u>COLUMN 1</u> Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| Facility | | | | |
| 0-2 | 1 | CONTINUOUS | Breakdowns - None Monitoring | |
| 0-2 | 2 | CONTINUOUS | Breakdown reporting - None | |
| 0-2 | 3 | CONTINUOUS | Annual emissions reports submitted | |
| 0-2 | 4 | CONTINUOUS | ATC requirement - as needed | |
| 0-2 | 5 | CONTINUOUS | Permit violations violate CAA - NA | |
| 0-2 | 6 | CONTINUOUS | ATC's and PTO's not transferable - NA | |
| 0-2 | 7 | CONTINUOUS | Use permit application forms - as needed | |
| 0-2 | 8 | CONTINUOUS | RRM - On file | |
| 0-2 | 9 | CONTINUOUS | RRM - keep for 5 years | |
| 0-2 | 10 | CONTINUOUS | RRM - semi annual reports-provided | |
| 0-2 | 11 | CONTINUOUS | Deviation reporting - when applicable | |
| 0-2 | 12 | CONTINUOUS | Challenge of a permit condition-NA | |
| 0-2 | 13 | CONTINUOUS | Claiming that operations would have to be halted or reduced is not a valid defense in an action - NA | |
| 0-2 | 14 | CONTINUOUS | Permit revocable - NA | |
| 0-2 | 15 | CONTINUOUS | Permit does not convey property rights - NA | |
| 0-2 | 16 | CONTINUOUS | Furnish records when requested- as needed | |
| 0-2 | 17 | CONTINUOUS | Annual fees-paid | |
| 0-2 | 18 | CONTINUOUS | APCD access to facility-as necessary | |
| 0-2 | 19 | CONTINUOUS | APCD access to records-as needed | |
| 0-2 | 20 | CONTINUOUS | APCD access to facility-as necessary | |
| 0-2 | 21 | CONTINUOUS | APCD access to facility-as necessary | |
| 0-2 | 22 | CONTINUOUS | Opacity <20% at all times | |
| 0-2 | 23 | CONTINUOUS | Arch. Coating to comply with VOC tables | |
| 0-2 | 24 | CONTINUOUS | Keep VOC Containers closed except while using | |
| 0-2 | 25 | CONTINUOUS | Comply with Labeling & Test Methods, R-4601 | |

Title V - COMPLIANCE CERTIFICATION FORMS

| | Phillips 66 Midway | 7 Pump Station | | Facility ID: S-1525 |
|-----------------|---|--|--|---|
| | eriod: 8/28/18 - 8 | | | Page 2 of 4 |
| COLUMN 1 | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| 0-2 | 26 | CONTINUOUS | RO to certify documents | |
| 0-2 | 27 | CONTINUOUS | Comply with 40 CFR 82, Subpart B (Freon recycling) | |
| 0-2 | 28 | CONTINUOUS | Comply with 40 CFR 82, Subpart B (Freon recycling) | |
| 0-2 | 29 | CONTINUOUS | Fugitive dust from bulk storage of materials-R-8031 visable dust <20% opacity. | |
| 0-2 | 30 | CONTINUOUS | Fugitive dust during construction activities-R-8021, keep below 20% opacity | |
| 0-2 | 31 | CONTINUOUS | Prevent and remove daily any dust track out - R- 8041 | |
| 0-2 | 32 | CONTINUOUS | Dust from vehicle movement in open areas- R-8051, keep below 20% opacity. | |
| 0-2 | 33 | CONTINUOUS | Unpaved roads to comply with R-8061-exempt, <26 trips per day. | |
| 0-2 | 34 | CONTINUOUS | Unpaved Roads > 50 trips/day- R-8071 - NA | |
| 0-2 | 35 | CONTINUOUS | Demolition or renovation - 40 CFR 61.41 | |
| 0-2 | 36 | CONTINUOUS | Submit this document annually - TV-006 | |
| 0-2 | 37 | CONTINUOUS | Submit TV - 007 semi annually | |
| 0-2 | 38 | CONTINUOUS | Definitions in Rules if not in this permit | |
| 0-2 | 39 | CONTINUOUS | Permit shield - R-401, 111, 202 | |
| 0-2 | 40 | CONTINUOUS | Permit shield for several Rules | |
| 0-2 | 41 | CONTINUOUS | Don't cause a Public nuisance | |
| 0-2 | 42 | CONTINUOUS | Permit issued 8/31/12. Based report dates on this. | |
| Tank 701 | | | | |
| 1-6 | 1 | CONTINUOUS | T-put < 14,000 BBLS/Day | |
| 1-6 | 2 | CONTINUOUS | TVP ≤ .5 psia. | |
| 1-6 | 3 | CONTINUOUS | TVP testing 1 per 24 months July - Sept | 4 |
| 1-6 | 4 | CONTINUOUS | Use actual tank storage temp during TVP test, API gravity test | |

San Joaquin Valley

Unified Air Pollution Control District

Title V - COMPLIANCE CERTIFICATION FORMS

| Company Name: | Phillips 66 Midway | Pump Station | | Pacility ID: S-1525 |
|--------------------------------|---|--|---|---|
| Certification Pe | eriod: 8/28/18 - 8 | 3/27/19 | | Page 3 of 4 |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| 1-6 | 5 | CONTINUOUS | Specs for Gravity Test methods | |
| 1-6 | 6 | CONTINUOUS | use HOST method for low gravity crudes | |
| 1-6 | 7 | CONTINUOUS | Test to be sent in within 45 days of testing. | |
| 1-6 | 8 | CONTINUOUS | Maintain tank T-puts and submit 30 days prior to permit expiration. | |
| 1-6 | 9 | CONTINUOUS | Maintain records for 5 years. | |
| Engine | | | PERMIT SURRENDERED | Engine has not run since 4/2012. Gas line disconnected. |
| 4-5 | 1 | CONTINUOUS | ATC cert of conformity | |
| 4-5 | 2 | CONTINUOUS | submit application prior to operating again | |
| 4-5 | 3 | CONTINUOUS | Operations not authorized until modifications are made | |
| 4-5 | 4 | CONTINUOUS | while dormant, fuel line to be disconnected | |
| 4-5 | 5 | CONTINUOUS | While dormant, source testing not required. | |
| 4-5 | 6 | CONTINUOUS | PM not to exceed .1 grains/dscf | |
| 4-5 | 7 | CONTINUOUS | Follow the approved I&M Plan | |
| 4-5 | 8 | CONTINUOUS | Non-resettable hour meter | |
| 4-5 | 9 | CONTINUOUS | Nox, Sox, Pm, VOC and CO emissions limits | |
| 4-5 | 10 | CONTINUOUS | PUC quality gas | |
| 4-5 | 11 | CONTINUOUS | maintain gas bills | |
| 4-5 | 12 | CONTINUOUS | Sulfur test method for non-PUC quality gas. | |
| 4-5 | 13 | CONTINUOUS | Test weekly if non PUC quality gas | |
| 4-5 | 14 | CONTINUOUS | Source Testing every 24 months | |
| 4-5 | 15 | CONTINUOUS | Normal conditions during source test | |
| 4-5 | 16 | CONTINUOUS | ST notice and protocol time frames | |
| 4-5 | 17 | CONTINUOUS | Report within 60 days of test | |
| 4-5 | 18 | CONTINUOUS | sampling port for ST per R-1081. | |
| 4-5 | 19 | CONTINUOUS | ST test methods | |
| 4-5 | 20 | CONTINUOUS | ST - 3 - 30 minute tests | |

Title V - COMPLIANCE CERTIFICATION FORMS

| to the attached histric | tions for more anormation. | | | |
|--------------------------------|---|--|--|---|
| Company Name: | Phillips 66 Midway | Pump Station | | Facility ID: S-1525 |
| Certification Pe | eriod: 8/28/18 - 8, | /27/19 | | Page 4 of 4 |
| COLUMN 1 Permit Unit Number | COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially | COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITIENT", OR "NOT IN COMPLIANCE" | COLUMN 4 Method for determining Compliance Status. | COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64. |
| 4-5 | 21 | CONTINUOUS | Quarterly monitoring requirement | |
| 4-5 | 22 | CONTINUOUS | Conditions if monitoring shows an exceedance. | |
| 4-5 | 23 | CONTINUOUS | 5 readings over 15 minutes | |
| 4-5 | 24 | CONTINUOUS | maintain monitoring records | |
| 4-5 | 25 | CONTINUOUS | Maintain engine log | |
| 4-5 | 26 | CONTINUOUS | maintain records for 5 years. | |
| 4-5 | 27 | CONTINUOUS | I&M Plan requirements | |
| 4-5 | 28 | CONTINUOUS | Title V complinace = Rule 407 and 4081 compliance | |
| 4-5 | 29 | NΛ | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 30 | NA | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 31 | NA | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 32 | NÄ | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 33 | NA | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 34 | NA. | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 35 | NA | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 36 | NĀ | 40 CFR 63 ZZZZ requiremt | |
| 4-5 | 37 | NA | 40 CFR 63 ZZZZ requiremt | |
| | | | | |

UPS CampusShip: View/Print Label

- 1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
- 2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. GETTING YOUR SHIPMENT TO UPS

Customers with a Daily Pickup

Your driver will pickup your shipment(s) as usual.

Customers without a Daily Pickup

Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages. Hand the package to any UPS driver in your area.

UPS Access Point™ THE UPS STORE 2201 N LAKEWOOD BLVD LONG BEACH .CA 90815

UPS Access Point™ BEST BARGAIN STORE 3500 E ANAHEIM ST LONG BEACH ,CA 90804 UPS Access Point™ AQUARIUS DRINKING WATER 2914 E ANAHEIM ST LONG BEACH, CA 90804

FOLD HERE



40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - §60.5420a Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subpart 0000a. CEDRI is accessed through the EPA's Central Data Exchange (https://cdx.epa.gov)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under §60.5420a(b).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as multiple sites, using this EPA provided Excel workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each row in the "Site Information" worksheet includes the data for a single site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s), if applicable) into a single ZIP file for upload to CEDRI

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission

Do not submit confidential business information (CBI) to EPA via CEDRI. If you are required to submit a report in CEDRI, you must submit the report via CEDRI with the CBI omitted and mail a complete report, including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media via U.S. postal service. You must mark the outside of the digital storage media as CBI and then identify electronically within the digital storage media the specific information that is claimed as CBI. Mail the media to the address in the referencing federal regulation. If no address is specified, mail the media to:

U.S. EPA/OAQPS/CORE CBI Office Attention: Group Leader, Measurement Policy Group MD C404-02 4930 Old Page Rd Durham, North Carolina 27703



You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph (b)(13) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to §60.5410a. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- $(2) \ For \ each \ well \ affected \ facility, \ the \ information \ in \ paragraphs \ (b)(2)(i) \ through \ (iii) \ of \ this \ section.$
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section, if applicable, for each well affected facility conducted during the reporting period. In lieu of submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may submit a list of the well completions with hydraulic fracturing completed during the reporting period and the records required by paragraph (c)(1)(v) of this section for each well completion.
- (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
- (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5432a that the well affected facility is a low pressure well as defined in 60.5430a.
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b) (3) (i) through (iv) of this section.
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
- (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this section
- (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(i) through (c)(2)(vii) of this section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of this section.
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.
- (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this section.
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the identification information specified in §60.5390a(b)(2) or (c)(2).
- (iii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed rate greater than 6 standard cubic feet per hour are required and the reasons why.

(iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.

- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) Documentation of the VOC emission rate determination according to \$60.5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.
- (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period.
- (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.
- (vii) If complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraphs (c)(5)(vi)(A) through (F) of this section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting period.
- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived.
- (i) Date of the survey.
- (ii) Beginning and end time of the survey.
- (iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the training and experience of the operator.
- (iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (v) Monitoring instrument used.
- (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
- (vii) Number and type of components for which fugitive emissions were detected.
- (viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (x) The date of successful repair of the fugitive emissions component.
- (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
- (xii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this section.
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (B) or (C) of this section.
- (A) No control device or process is available on site.
- (B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to achieve.
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.
- (B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(B) of this section.
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.
 (D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with \$60.5393a(b)(5) through an engineering
- evaluation that it is technically infeasible to capture and route the emissions to another control device or process. (iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period.
- ***
- (12) You must submit the certification signed by the qualified professional engineer according to §60.5411a(d) for each closed vent system routing to a control device or process.
- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/).) You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

| | ext to eder neid indicates t | | | SITE INFORMATION | | | | | | | ALTERNATIVE ADDRESS INFOR | RMATION (IF NO PHYSICAL AI | DRESS AVAILABLE FOR SITE *) | REPORTING | INFORMATION | PE Certification | ADDITION | AL INFORMATION |
|---|--|---|---|--|-----------------|-------------------------------------|---|----------------------------|---|---|---|---|--|--|---|---|-----------------------------|--|
| Facility Record I (Field value w automatically generate if a va is not entered | Company Name * (§60.5420a(b)(1)(i)) | Facility Site Name * (§60.5420a(b)(1)(i)) | US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i)) | Address of Affected Facility * (§60.5420a(b)(1)(i)) | Address 2 | City * | County * | State Abbreviation * | Zip Code * | Responsible Agency Facility ID (State Facility Identifier) | Description of Site Location (§60.5420a(b)(1)(i)) | Latitude of the Site (decin degrees to 5 decimals using North American Datum of 1 (§60.5420a(b)(1)(i)) | the decimal degrees to 5 | | Ending Date of Reporting Period.* (\$60.5420a(b)(1)(iii)) | Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (\$60.5420a(b)(12)) Please provide only one file per record. | any additional information. | Enter associated file name reference. |
| | e.g.: ABC Company | e.g.: XYZ Compressor Station | e.g.: 12-345-67890-12 | e.g.: 123 Main Street | e.g.: Suite 100 | e.g.: Brooklyn | e.g.: Kings Count | e.g.: NY | e.g.: 11221 | | e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456 | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: 01/01/2016 | e.g.: 06/30/2016 | e.g.: Certification.pdf or XYZCompressorStation.pdf | | e.g.: addlinfo.zip or XYZCompressorStation. pdf |
| | 1 Berry Petroleum Comp 2 Berry Petroleum Comp 3 Berry Petroleum Comp 4 Berry Petroleum Comp 5 Berry Petroleum Comp | a Hill Lease - Diatomite I a Hill Lease - Diatomite I a Hill Tulare | Water Plant | 18271 Hwy 33 18271 Hwy 33 18271 Hwy 33 18271 Hwy 33 18271 Hwy 33 | | McKitrick McKitrick McKitrick | Kern County Kern County Kern County | CA CA CA CA CA | 93251 93251 93251 93251 93251 | | | 35.48: 35.48: 35.48: 35.48: 35.48: | 262 -119.75139 262 -119.75139 262 -119.75139 | 7 1/1/201: 7 1/1/201: 7 1/1/201: | 3 12/31/2018 3 12/31/2018 3 12/31/2018 | | | |

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID * (§60.5420a(b)(1)(ii)) | Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure? * (\$60.5420a(b)(4)(i)) | through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? * (\$60.5420a(b)(4)(i)) | Measurement * (§60.5420a(b)(4)(i)) | Deviations where the reciprocating compressor was not operated in compliance with requirements* (\$60.5420(a)(4)(ii) and \$60.5420a(c)(3)(iii)) |
|---|--|--|--|---------------------------------------|---|
| | e.g.: Comp-12b | e.g.: no | e.g.: 2 | | months. Replacement occurred after 37 months. |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

| The asterisk (*) nex | kt to each field indicates that the | corresponding field is required | i. | | | | _ |
|---|--|---|--|---|--|--|---|
| | | | | | Pneumatic Controllers with a Natura | al Gas Bleed Rate Greater than 6 scfh | |
| Facility Record No. * (Select from dropdown list - may need to scroll up) | Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2)) | Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (\$60.5420a(b)(5)(i)) | Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Greater than 6 Standard Cubic Feet per | Reasons Why * (§60.5420a(b)(5)(ii)) | Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v)) |
| | e.g.: Controller 12A | e.g.: modified | e.g.: February | e.g.: 2017 | e.g.: Controller has a bleed rate of 8 scfh. | e.g.: safety bypass controller requires use of a high-bleed controller | e.g.: Controller was not tagged with month and year of installation. |

40 CFR Part 60 - Standards of Performance for Crude OB and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.542(a)(b) Annual Report For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(iii)) through (vii) of this section in all annual reports.

| | | | | | | | | | | | | | | | | Storage V | essels Constructed, Modifi | led, Reconstructed or Returned t | Service During Reporting Period | hat Comply with §60.529 | Sa(a)(2) with a Control Devi | ce Tested Under § 60.5412a(d) | | | |
|---|---|------------|--|---|--|--|---|---|--|--|--|--|--|---|---|--|--|---|---|---|---|--|---|--|--|
| Facility Rev (Select dropdown need to so | Storage Vi from (§60.5420 let - may and §60.542 | essel ID * | Was the storage vessel constructed, modified or neconstructed during the reporting period? * (562.5420x(b)(6)(0) | Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1992) " (\$60.5420a(b)(6)(i) | Longitude of Storage Vessel (Decimal Degrees 55 S Decimals Using the North American Datum of 1983) * (560.542da(b))(5)(0) | If new affected facility or if neturned to service during the reporting period, provid documentation of the VCs envision rate determination conding to §60.35(6/e). [8 60.5430a(b)(c)(ii)] | * Becards of decisions where the storage vessel was not operated in compliance with requirements * (960.5420x(6)(6)(6) and \$60.5420x(6)(6)(6)) | Have you met the requirements specified in §660.5410([b])(2) and [2]?* (§60.5420a[b])(6)[iv]) | Removed from service during the reporting period? * (§62.5423a(b)(6)(v)) | if removed from service, the date removed from service. * (860.5420s/b)(6)(v)) | Returned to service during the reporting period? * (560.5420s(b)(6)(v)) | if returned to service, the date returned to service. (960.5420a(b)(6)(vii) | Make of Purchased Device * (§60.5420s(b)(c)(si) and §60.5420s(c)(S)(si)(A) | Model of Purchased Device * (560.5420a(c)(5))vi)(A)) 560.5420a(c)(5))vi)(A)) | Serial Number of Purchased Device * (§60.5420a(b)(6)(si) an §60.5420a(c)(5)(v)(64) | Date of Purchase * d (663.5420m(b)(6))vi) ar d (663.5420m(c)(5))vi((6) | Copy of Purchase Order 5 (560.5420a(b)(5)(vil) an \$60.5420a(c)(5)(vi)(C)) | Liabbade of Control Device (Declinal Degrees to 5 Declinal Using the North American Data of 1993)* (§60.5420a(s)(5)(vi)(DI) and §60.5420a(c)(5)(vi)(DI) | Longitude of Control Device (Decimal Degrees to 5 Decimal Using the North American Datu of 1983)* (660.5420a(b)(6)(vi) and 563.5420a(c)(5)(vi)(D)) | Inlet Gas Flow Rate * (660.5420a(b)(6(wil) an §60.5420a(c)(5)(v((C)) | Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * ()(665.5420s. b)(((()))) and \$605.5420s.((5)((())) B) Please provide only one file per record. | that contains the Secrets of | Please provide the file nam that contains the Records of Maintenance and Repair to (\$40.5420a(b)(6)(vii) and \$60.5420a(c)(5)(vi(F)(2)) Please provide only one file per record. | Please provide the file name that contains the Records of Visible Emissions Test Visible Emissions Test Operation From Maintenance (Repair Activity (540.5420a(c)(S)(vi)(F)(I)) Please provide only one file per necord. | Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(s)(0)(vii) and §60.5420a(s)(0)(viii) and §60.5420a(s)(0)(viii) Pli |
| | e.g.: Tank 12 | 25 e.g. | : modified | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information. | e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel. | e.g.:Yes | e.g.:Yes | e.g.: 11/15/16 | e.g.: Yes | e.g.: 11/15/16 | e.g.: Incinerator Guy | e.g.: 400 Combustor | e.g.: 123930392 | e.g.: 12/10/16 | e.g.: purchase_order.pd or XYZCompressorStation.p | r' o.g.: 34.12340 | e.g:-101.12340 | e.g.: 3000 scfb | e.g.: pilotflame.pdf or XYZCompressorStation.pdf | e.g.: noemissions.pdf or f XX2CompressorStation.pdf | e.g.: maintainlog.pdf or XY2CompressorStation.pdf | e.g.: emistest pdf or XYZCompressorStation.pdf | e.g.: manufinaruct.pdf or XYZCompressorStation.pdf |

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

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| Facility Record No. * (Select from dropdown list- may need to scroll up) | Identification of | modified, or reconstructed during the | Which condition does the | If your route emissions to a control device and the control device is designed to achieve <35% emissions reduction, specify the percent emissions reduction, reduction.* (\$60.5420a(b)(8)(i)(C)) | Identification of Each Pump * | | Which condition does the pneumatic nump meet? | If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (\$60.5420a(b)(8)(ii) and \$60.5420a(b)(8)(i)(C)) | was not operated in compliance with |
| | e.g.: Pump 12-e-2 | e.g.: modified | e.g.: Emissions are routed to | e.g.: 90% | e.g.: Pump 12-e-2 | e.g.: 10/15/17 | e.g.: Control device/process removed and technically infeasible | e.g.: 90% | e.g.: deviation of the CVS inspections |

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - §60.5420a Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subpart 0000a. CEDRI is accessed through the EPA's Central Data Exchange (https://cdx.epa.gov)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under §60.5420a(b).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as multiple sites, using this EPA provided Excel workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each row in the "Site Information" worksheet includes the data for a single site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s), if applicable) into a single ZIP file for upload to CEDRI

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission

Do not submit confidential business information (CBI) to EPA via CEDRI. If you are required to submit a report in CEDRI, you must submit the report via CEDRI with the CBI omitted and mail a complete report, including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media via U.S. postal service. You must mark the outside of the digital storage media as CBI and then identify electronically within the digital storage media the specific information that is claimed as CBI. Mail the media to the address in the referencing federal regulation. If no address is specified, mail the media to:

U.S. EPA/OAQPS/CORE CBI Office Attention: Group Leader, Measurement Policy Group MD C404-02 4930 Old Page Rd Durham, North Carolina 27703



You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph (b)(13) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to §60.5410a. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- $(2) \ For \ each \ well \ affected \ facility, \ the \ information \ in \ paragraphs \ (b)(2)(i) \ through \ (iii) \ of \ this \ section.$
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section, if applicable, for each well affected facility conducted during the reporting period. In lieu of submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may submit a list of the well completions with hydraulic fracturing completed during the reporting period and the records required by paragraph (c)(1)(v) of this section for each well completion.
- (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
- (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5432a that the well affected facility is a low pressure well as defined in 60.5430a.
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b) (3) (i) through (iv) of this section.
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
- (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this section
- (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(i) through (c)(2)(vii) of this section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of this section.
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.
- (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this section.
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the identification information specified in §60.5390a(b)(2) or (c)(2).
- (iii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed rate greater than 6 standard cubic feet per hour are required and the reasons why.

(iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.

- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) Documentation of the VOC emission rate determination according to \$60.5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.
- (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period.
- (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.
- (vii) If complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraphs (c)(5)(vi)(A) through (F) of this section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting period.
- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived.
- (i) Date of the survey.
- (ii) Beginning and end time of the survey.
- (iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the training and experience of the operator.
- (iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (v) Monitoring instrument used.
- (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
- (vii) Number and type of components for which fugitive emissions were detected.
- (viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (x) The date of successful repair of the fugitive emissions component.
- (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
- (xii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this section.
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (B) or (C) of this section.
- (A) No control device or process is available on site.
- (B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to achieve.
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.
- (B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(B) of this section.
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.
 (D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with \$60.5393a(b)(5) through an engineering
- evaluation that it is technically infeasible to capture and route the emissions to another control device or process. (iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period.
- ***
- (12) You must submit the certification signed by the qualified professional engineer according to §60.5411a(d) for each closed vent system routing to a control device or process.
- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/).) You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each affected facility, an owner or operator must include the information specified in paragraphs (b)[1)(i) through (iv) of this section in all annual reports:

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| Facility Record No. * (Field value will automatically generate if a value is not entered.) | Company Name * (§60.5420a(b)(1)(i)) | Facility Site Name * (§60.5420a(b)(1)(i)) | US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (\$60.5420a(b)(1)(i)) | Address of Affected Facility * (§60.5420a(b)(1)(i)) | Address 2 | City * | County * | State Abbreviation * | Zip Code * | Responsible Agency Facility ID (State Facility Identifier) | Description of Site Location (\$60.5420a(b)(1)(i)) | Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (\$60.5420a(b)(1)(i)) | Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i)) | Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii)) | Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii)) | Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (\$60.5420a(b)(12)) Please provide only one file per record. | Please enter any additional information. | Enter associated file name reference. |
| | | e.g.: XYZ Compressor Station | e.g.: 12-345-67890-12 | e.g.: 123 Main Street | e.g.: Suite 100 | e.g.: Brooklyn | e.g.: Kings Count | y e.g.: NY | e.g.: 11221 | | e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456 | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: 01/01/2016 | e.g.: 06/30/2016 | e.g.: Certification.pdf or XYZCompressorStation.pdf | | e.g.: addlinfo.zip or XYZCompressorStation. pdf |
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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID * (§60.5420a(b)(1)(ii)) | Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure? * (\$60.5420a(b)(4)(i)) | through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? * (\$60.5420a(b)(4)(i)) | Measurement * (§60.5420a(b)(4)(i)) | Deviations where the reciprocating compressor was not operated in compliance with requirements* (\$60.5420(a)(4)(ii) and \$60.5420a(c)(3)(iii)) |
|---|--|--|--|---------------------------------------|---|
| | e.g.: Comp-12b | e.g.: no | e.g.: 2 | | months. Replacement occurred after 37 months. |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

| The asterisk (*) next to each field indicates that the corresponding field is required. | | | | | | | | | | | | | | |
|---|---|--|---|--|---|--|--|---|--|--|--|--|--|--|
| | | | | | | Pneumatic Controllers with a Natura | | | | | | | | |
| | Facility Record No. * (Select from dropdown list - may need to scroll up) | Pneumatic Controller Identification * (\$60.5420a(b)(1)(ii), \$60.5420a(b)(5)(i), and \$60.5390a(b)(2) or \$60.5390a(c)(2)) | Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (\$60.5420a(b)(5)(i)) | Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Greater than 6 Standard Cubic Feet per | Reasons Why * (§60.5420a(b)(5)(ii)) | Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v)) | | | | | | |
| | | e.g.: Controller 12A | e.g.: modified | e.g.: February | e.g.: 2017 | e.g.: Controller has a bleed rate of 8 scfh. | e.g.: safety bypass controller requires use of a high-bleed controller | e.g.: Controller was not tagged with month and year of installation. | | | | | | |

40 CFR Part 60 - Standards of Performance for Crude OB and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.542(a)(b) Annual Report For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(iii)) through (vii) of this section in all annual reports.

| | | | | | | | | | | | | | | | | Storage V | essels Constructed, Modifi | led, Reconstructed or Returned t | Service During Reporting Period | hat Comply with §60.529 | .Sa(a)(2) with a Control Devi | ce Tested Under § 60.5412a(d) | | | |
|---|---|------------|--|---|--|--|---|---|--|--|--|--|--|---|---|--|--|---|---|---|--|--|---|--|---|
| Facility Rev (Select dropdown need to so | Storage Vi from (§60.5420 let - may and §60.542 | essel ID * | Was the storage vessel constructed, modified or neconstructed during the reporting period? * (562.5420x(b)(6)(0) | Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1992) " (\$60.5420a(b)(6)(i) | Longitude of Storage Vessel (Decimal Degrees 55 S Decimals Using the North American Datum of 1983) * (560.542da(b))(5)(0) | If new affected facility or if neturned to service during the reporting period, provid documentation of the VCs envision rate determination conding to §60.35(6/e). [8 60.5430a(b)(c)(ii)] | * Becards of decisions where the storage vessel was not operated in compliance with requirements * (960.5420x(6)(6)(6) and \$60.5420x(6)(6)(6)) | Have you met the requirements specified in §660.5410([b])(2) and [2]?* (§60.5420a[b])(6)[iv]) | Removed from service during the reporting period? * (§62.5423a(b)(6)(v)) | if removed from service, the date removed from service. * (860.5420s/b)(6)(v)) | Returned to service during the reporting period? * (560.5420s(b)(6)(v)) | if returned to service, the date returned to service. (960.5420a(b)(6)(vii) | Make of Purchased Device * (§60.5420s(b)(c)(si) and §60.5420s(c)(S)(si)(A) | Model of Purchased Device * (560.5420a(c)(5))vi)(A)) 560.5420a(c)(5))vi)(A)) | Serial Number of Purchased Device * (§60.5420a(b)(6)(si) an §60.5420a(c)(5)(v)(64) | Date of Purchase * d (663.5420m(b)(6))vi) ar d (663.5420m(c)(5))vi((6) | Copy of Purchase Order 5 (560.5420a(b)(5)(vil) an \$60.5420a(c)(5)(vi)(C)) | Liabbade of Control Device (Declinal Degrees to 5 Declinal Using the North American Data of 1993)* (§60.5420a(s)(5)(vi)(DI) and §60.5420a(c)(5)(vi)(DI) | Longitude of Control Device (Decimal Degrees to 5 Decimal Using the North American Datu of 1983)* (660.5420a(b)(6)(vi) and 563.5420a(c)(5)(vi)(D)) | Inlet Gas Flow Rate * (660.5420a(b)(6(wil) an §60.5420a(c)(5)(v((C)) | Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * () (560.5420a.[5](6)(4)) and \$90.5420a.(5)(4)(19) D. Please provide only one file per record. | that contains the Secrets of | Please provide the file nam that contains the Records of Maintenance and Repair to (\$40.5420a(b)(6)(vii) and \$60.5420a(c)(5)(vi(F)(2)) Please provide only one file per record. | Please provide the file name that contains the Records of Visible Emissions Test Visible Emissions Test Operation From Maintenance (Repair Activity (540.5420a(c)(S)(vi)(F)(I)) Please provide only one file per necord. | Please provide the file name that contains the Records of Manufactures' Written Operating instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(0)(vii)) and §60.5420a(b)(0)(viii) and §60.5420a(c)(viiii) Please provide only one file per record. |
| | e.g.: Tank 12 | 25 e.g. | : modified | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information. | e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel. | e.g.:Yes | e.g.:Yes | e.g.: 11/15/16 | e.g.: Yes | e.g.: 11/15/16 | e.g.: Incinerator Guy | e.g.: 400 Combustor | e.g.: 123930392 | e.g.: 12/10/16 | e.g.: purchase_order.pd or XYZCompressorStation.p | r' o.g.: 34.12340 | e.g:-101.12340 | e.g.: 3000 scfb | e.g.: pilotfame.pdf or XYZCompressorStation.pdf | e.g.: noemissions.pdf or f XX2CompressorStation.pdf | e.g.: maintainlog.pdf or XY2CompressorStation.pdf | e.g.: emistest pdf or XYZCompressorStation.pdf | e.g.: manufinaruct.pdf or XYZCompressorStation.pdf |

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

| The asterisk (*) ne | xt to each field indi | cates that the corresponding field is requ | ired. | | ı | Danimatic Director Desiries | sly Reported that have a Change in Reported Condition During t | ha Danastina Dariad | |
|---|-----------------------|--|-------------------------------|--|-------------------------------|-----------------------------|---|---|--|
| Facility Record No. * (Select from dropdown list- may need to scroll up) | Identification of | modified, or reconstructed during the | Which condition does the | If your route emissions to a control device and the control device is designed to achieve <55% emissions reduction, specify the percent emissions reduction. reduction: (\$60.5420a(b)(8)(i)(C)) | Identification of Each Pump * | | Which condition does the pneumatic nump meet? | If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. (\$60.5420a(b)(8)(ii) and \$60.5420a(b)(8)(i)(C)) | was not operated in compliance with |
| | e.g.: Pump 12-e-2 | e.g.: modified | e.g.: Emissions are routed to | e.g.: 90% | e.g.: Pump 12-e-2 | e.g.: 10/15/17 | e.g.: Control device/process removed and technically infeasible | e.g.: 90% | e.g.: deviation of the CVS inspections |

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - §60.5420a Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subpart 0000a. CEDRI is accessed through the EPA's Central Data Exchange (https://cdx.epa.gov)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under §60.5420a(b).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as multiple sites, using this EPA provided Excel workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each row in the "Site Information" worksheet includes the data for a single site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s), if applicable) into a single ZIP file for upload to CEDRI

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission

Do not submit confidential business information (CBI) to EPA via CEDRI. If you are required to submit a report in CEDRI, you must submit the report via CEDRI with the CBI omitted and mail a complete report, including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media via U.S. postal service. You must mark the outside of the digital storage media as CBI and then identify electronically within the digital storage media the specific information that is claimed as CBI. Mail the media to the address in the referencing federal regulation. If no address is specified, mail the media to:

U.S. EPA/OAQPS/CORE CBI Office Attention: Group Leader, Measurement Policy Group MD C404-02 4930 Old Page Rd Durham, North Carolina 27703



You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph (b)(13) of this section. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to §60.5410a. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- $(2) \ For \ each \ well \ affected \ facility, \ the \ information \ in \ paragraphs \ (b)(2)(i) \ through \ (iii) \ of \ this \ section.$
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section, if applicable, for each well affected facility conducted during the reporting period. In lieu of submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may submit a list of the well completions with hydraulic fracturing completed during the reporting period and the records required by paragraph (c)(1)(v) of this section for each well completion.
- (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
- (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5432a that the well affected facility is a low pressure well as defined in 60.5430a.
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b) (3) (i) through (iv) of this section.
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
- (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this section
- (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(i) through (c)(2)(vii) of this section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of this section.
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.
- (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this section.
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the identification information specified in §60.5390a(b)(2) or (c)(2).
- (iii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed rate greater than 6 standard cubic feet per hour are required and the reasons why.

(iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.

- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (ii) Documentation of the VOC emission rate determination according to \$60.5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.
- (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period.
- (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.
- (vii) If complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), records specified in paragraphs (c)(5)(vi)(A) through (F) of this section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting period.
- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under \$60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived.
- (i) Date of the survey.
- (ii) Beginning and end time of the survey.
- (iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the training and experience of the operator.
- (iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (v) Monitoring instrument used.
- (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
- (vii) Number and type of components for which fugitive emissions were detected.
- (viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (x) The date of successful repair of the fugitive emissions component.
- (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
- (xii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this section.
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (B) or (C) of this section.
- (A) No control device or process is available on site.
- (B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to achieve.
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.
- (B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(B) of this section.
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.
 (D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with \$60.5393a(b)(5) through an engineering
- evaluation that it is technically infeasible to capture and route the emissions to another control device or process. (iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period.
- ***
- (12) You must submit the certification signed by the qualified professional engineer according to §60.5411a(d) for each closed vent system routing to a control device or process.
- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/).) You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted.

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

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| Facility Record No * (Field value will automatically generate if a valu is not entered.) | Company Name * (§60.5420a(b)(1)(i)) | Facility Site Name * (\$60.5420a(b)(1)(i)) | US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i)) | Address of Affected Facility * (§60.5420a(b)(1)(i)) | Address 2 | City * | County * | State Abbreviation * | Zip Code * | Responsible Agency Facility ID (State Facility Identifier) | Description of Site Location (§60.5420a(b)(1)(i)) | Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (\$60.5420a(b)(1)(i)) | Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (\$60.5420a(b)(1)(i)) | Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii)) | (§60.5420a(b)(1)(iii)) | Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (\$60.5420a(b)(12)) Please provide only one file per record. | any additional information. | Enter associated file name reference. |
| | e.g.: ABC Company | e.g.: XYZ Compressor Station | e.g.: 12-345-67890-12 | e.g.: 123 Main Street | e.g.: Suite 100 | e.g.: Brooklyn | e.g.: Kings County | e.g.: NY | e.g.: 11221 | | e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456 | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: 01/01/2016 | | e.g.: Certification.pdf or XYZCompressorStation.pdf | | e.g.: addlinfo.zip or XYZCompressorStation. pdf |
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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID * (§60.5420a(b)(1)(ii)) | Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure? * (\$60.5420a(b)(4)(i)) | through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? * (\$60.5420a(b)(4)(i)) | Measurement * (§60.5420a(b)(4)(i)) | Deviations where the reciprocating compressor was not operated in compliance with requirements* (\$60.5420(a)(4)(ii) and \$60.5420a(c)(3)(iii)) |
|---|--|--|--|---------------------------------------|---|
| | e.g.: Comp-12b | e.g.: no | e.g.: 2 | | months. Replacement occurred after 37 months. |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

| The asterisk (*) nex | kt to each field indicates that the | corresponding field is required | i. | | | | _ |
|---|--|---|--|---|--|--|---|
| | | | | | Pneumatic Controllers with a Natura | al Gas Bleed Rate Greater than 6 scfh | |
| Facility Record No. * (Select from dropdown list - may need to scroll up) | Pneumatic Controller Identification * (§60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2)) | Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (\$60.5420a(b)(5)(i)) | Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2)) | Greater than 6 Standard Cubic Feet per | Reasons Why * (§60.5420a(b)(5)(ii)) | Records of deviations where the pneumatic controller was not operated in compliance with requirements* (§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v)) |
| | e.g.: Controller 12A | e.g.: modified | e.g.: February | e.g.: 2017 | e.g.: Controller has a bleed rate of 8 scfh. | e.g.: safety bypass controller requires use of a high-bleed controller | e.g.: Controller was not tagged with month and year of installation. |

40 CFR Part 60 - Standards of Performance for Crude OB and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.542(a)(b) Annual Report For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(iii)) through (vii) of this section in all annual reports.

| | | | | | | | | | | | | | | | | Storage V | essels Constructed, Modifi | led, Reconstructed or Returned t | Service During Reporting Period | hat Comply with §60.529 | Sa(a)(2) with a Control Devi | ce Tested Under § 60.5412a(d) | | | |
|---|---|------------|--|---|--|---|--|---|--|--|--|--|--|---|---|--|--|---|---|---|---|--|---|--|--|
| Facility Rev (Select dropdown need to so | Storage Vi from (§60.5420 let - may and §60.542 | essel ID * | Was the storage vessel constructed, modified or neconstructed during the reporting period? * (562.5420x(b)(6)(0) | Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1992) " (\$60.5420a(b)(6)(i) | Longitude of Storage Vessel (Decimal Degrees 55 S Decimals Using the North American Datum of 1983) * (560.542da(b))(5)(0) | If new affected facility or if neturned to service during the reporting period, provid documentation of the VCs envision rate determination conding to §60.336(a)s). [§60.5430a(b)(c)(ii)] | * Becards of decisions where the storage vessel was not operated in compliance with requirements * (960.5420(4)(6)(6)) and \$60.5420(4)(2)(4)(6) | Have you met the requirements specified in §660.5410([b])(2) and [2]?* (§60.5420a[b])(6)[iv]) | Removed from service during the reporting period? * (§62.5423a(b)(6)(v)) | if removed from service, the date removed from service. * (860.5420s/b)(6)(v)) | Returned to service during the reporting period? * (560.5420s(b)(6)(v)) | if returned to service, the date returned to service. (960.5420a(b)(6)(vii) | Make of Purchased Device * (§60.5420s(b)(6(vil) and §60.5420s(c)(5)(vi)(A) | Model of Purchased Device * (560.5420a(c)(5))vi)(A)) 560.5420a(c)(5))vi)(A)) | Serial Number of Purchased Device * (§60.5420a(b)(6)(si) an §60.5420a(c)(5)(v)(64) | Date of Purchase * d (663.5420m(b)(6))vi) ar d (663.5420m(c)(5))vi((6) | Copy of Purchase Order 5 (560.5420a(b)(5)(vil) an \$60.5420a(c)(5)(vi)(C)) | Liabbade of Control Device (Declinal Degrees to 5 Declinal Using the North American Data of 1993)* (§60.5420a(s)(5)(vi)(DI) and §60.5420a(c)(5)(vi)(DI) | Longitude of Control Device (Decimal Degrees to 5 Decimal Using the North American Datu of 1983)* (660.5420a(b)(6)(vi) and 563.5420a(c)(5)(vi)(D)) | Inlet Gas Flow Rate * (660.5420a(b)(6(wil) an §60.5420a(c)(5)(v((C)) | Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * ()(665.5420s. b)(((()))) and \$60.5420s.((5)(v(())) B) Please provide only one file per record. | that contains the Secrets of | Please provide the file nam that contains the Records of Maintenance and Repair to (\$40.5420a(b)(6)(vii) and \$60.5420a(c)(5)(vi(F)(2)) Please provide only one file per record. | Please provide the file name that contains the Records of Visible Emissions Test Visible Emissions Test Operation From Maintenance (Repair Activity (540.5420a(c)(S)(vi)(F)(I)) Please provide only one file per necord. | Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(c)(s)(s)) and §60.5420a(c)(s)(s)(s)(s) [s) [s) Please provide only one file per record. |
| | e.g.: Tank 12 | 25 e.g. | : modified | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information. | e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel. | e.g.:Yes | e.g.:Yes | e.g.: 11/15/16 | e.g.: Yes | e.g.: 11/15/16 | e.g.: Incinerator Guy | e.g.: 400 Combustor | e.g.: 123930392 | e.g.: 12/10/16 | e.g.: purchase_order.pd or XYZCompressorStation.p | r' o.g.: 34.12340 | e.g:-101.12340 | e.g.: 3000 scfb | e.g.: pilotflame.pdf or XYZCompressorStation.pdf | e.g.: noemissions.pdf or f XX2CompressorStation.pdf | e.g.: maintainlog.pdf or XY2CompressorStation.pdf | e.g.: emistest pdf or XYZCompressorStation.pdf | e.g.: manufinaruct.pdf or XYZCompressorStation.pdf |

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

| The asterisk (*) ne | xt to each field indi | cates that the corresponding field is requ | ired. | | | | | | |
|--|-----------------------|--|-------------------------------|---|-------------------------------|--|--|---|--|
| | | | | | | Pneumatic Pumps Previou | usly Reported that have a Change in Reported Condition During t | he Reporting Period | |
| Facility Record No. * (Select from dropdown list- may need to scroll up) | | Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (§60.5420a(b)(8)(i)) | Which condition does the | If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (\$60.5420a(b)(8)(i)(C)) | Identification of Each Pump * | Date Previously Reported* (§60.5420a(b)(8)(ii)) | Which condition does the pneumatic pump meet? * (\$60.5420a(b)(8)(ii)) | If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (\$60.5420a(b)(8)(ii) and \$60.5420a(b)(8)(i)(C)) | |
| | e.g.: Pump 12-e-2 | e.g.: modified | e.g.: Emissions are routed to | e.g.: 90% | e.g.: Pump 12-e-2 | e.g.: 10/15/17 | e.g.: Control device/process removed and technically infeasible | e.g.: 90% | e.g.: deviation of the CVS inspections |

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - §60.5420a(b) Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subpart OOOOa. CEDRI is accessed through the EPA's Central Data Exchange (https://cdx.epa.gov)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under §60.5420a(b). Additionally, excess emissions periods for sweetening units is required to be reported in the annual report under §60.5423a(b).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as mulitple sites, using this EPA provided Excel workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each row in the "Site Information" worksheet includes the data for a single site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s). if applicable) into a single ZIP file for upload to Template Navigation and Tabs to Complete:

The worksheet " " contains a list of questions about the information you will be reporting. Selecting "No" in the list of questions will hide the tabs associated with worksheets that are not relevant to your reporting. For example, if you answer "No" to whether you will be reporting for affected pneumatic controllers, the "Controllers" worksheet will be hidden from that point forward, unless you change the answer back to "Yes".

Within some of the worksheets, there are questions which are linked to conditional formatting. Depending on your answer to these questions, certain cells will be blacked out, indicating that those data fields are no longer relevant based on your answer.

Within the tabs, there is an example row and row containing the XML tags. No data entry is made in these rows.

§60.5420a. You must submit annual reports following the procedure specified in paragraph §60.5420a(b)(11). What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants? You must submit a report of excess emissions to the Administrator in your annual report if you had

§60.5420a What are my notification, reporting, and recordkeeping requirements?

- (b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph (b)(9) or (10) of this section, if applicable. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to §60.5410a. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report
- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an
- (ii) An identification of each affected facility being included in the annual report.
- (iii) Beginning and ending dates of the reporting period.
- (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate,
- (2) For each well affected facility that is subject to §60.5375a(a) or (f), the records of each well completion operation conducted during the reporting period, including the information specified in paragraphs (b)(2)(i) through (b)(2)(xiv) of this section, if applicable. In lieu of submitting the records specified in paragraph (b)(2)(i) through (b)(2)(xiv) of this section, the owner or operator may submit a list of each well completion with hydraulic fracturing completed during the reporting period, and the digital photograph required by paragraph (c)(1)(v) of this section for each well completion. For each well (i) Well Completion ID.
- (ii) Latitude and longitude of the well in decimal degrees to an accuracy and precision of five (5) decimals of a degree using (iii) US Well ID.
- (iv) The date and time of the onset of flowback following hydraulic fracturing or refracturing
- (v) The date and time of each attempt to direct flowback to a separator as required in §60.5375a(a)(1)(ii).
- (vi) The date and time that the well was shut in and the flowback equipment was permanently disconnected, or the startup (vii) The duration (in hours) of flowback.
- (viii) The duration (in hours) of recovery and disposition of recovery (i.e., routed to the gas flow line or collection system, reinjected into the well or another well, used as an onsite fuel source, or used for another useful purpose that a purchased (ix) The duration (in hours) of combustion.
- (x) The duration (in hours) of venting.
- (xi) The specific reasons for venting in lieu of capture or combustion.
- (xii) For any deviations recorded as specified in paragraph (c)(1)(ii) of this section, the date and time the deviation began,
- (xiii) For each well affected facility subject to §60.5375a(f), a record of the well type (i.e., wildcat well, delineation well, or low pressure well (as defined §60.5430a)) and supporting inputs and calculations, if applicable.
- (xiv) For each well affected facility for which you claim an exception under §60.5375a(a)(3), the specific exception claimed
- (xv) For each well affected facility with less than 300 scf of gas per stock tank barrel of oil produced, the supporting analysis that was performed in order the make that claim, including but not limited to, GOR values for established leases and data
- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b)(3)(i) through (iv) of this
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during
- (ii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(2) of this section, the date and time the deviation began, the duration of the deviation, and a description of the deviation.
- (iii) If required to comply with §60.5380a(a)(2), the information in paragraphs (b)(3)(iii)(A) through (C) of this section.
- (A) Dates of each inspection required under §60.5416a(a) and (b);
- (B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or the date
- (C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements
- (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), the information in paragraphs (b)(3)(iv)(A) through (D) of this section.
- (A) Identification of the compressor with the control device.

- (B) Make, model, and date of purchase of the control device.
- (C) For each instance where the inlet gas flow rate exceeds the manufacturer's listed maximum gas flow rate, where there is no indication of the presence of a pilot flame, or where visible emissions exceeded 1 minute in any 15-minute period,
- (D) For each visible emissions test following return to operation from a maintenance or repair activity, the date of the visible emissions test, the length of the test, and the amount of time for which visible emissions were present.
- (v) If complying with §60.5380a(a)(1) with a control device not tested under §60.5413a(d), identification of the compressor with the tested control device, the date the performance test was conducted, and pollutant(s) tested. Submit the
- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) through (iii) of this
- (i) The cumulative number of hours of operation or the number of months since initial startup, since August 2, 2016, or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that
- (ii) If applicable, for each deviation that occurred during the reporting period and recorded as specified in paragraph
- (c)(3)(iii) of this section, the date and time the deviation began, duration of the deviation and a description of the deviation.
- (iii) If required to comply with §60.5385a(a)(3), the information in paragraphs (b)(4)(iii)(A) through (C) of this section.
- (A) Dates of each inspection required under §60.5416a(a) and (b);
- (B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of
- (C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements
- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the month and year of installation, reconstruction or modification and identification information that allows
- (ii) If applicable, reason why the use of pneumatic controller affected facilities with a natural gas bleed rate greater than the
- (iii) For each instance where the pneumatic controller was not operated in compliance with the requirements specified in §60.5390a, a description of the deviation, the date and time the deviation began, and the duration of the deviation.
- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (ix) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude
- (ii) Documentation of the VOC emission rate determination according to §60.5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.
- (iii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(5)(iii) of this section, the date and time the deviation began, duration of the deviation and a description of the deviation.
- (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
- (v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.
- (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.
- (vii) For each storage vessel constructed, modified, reconstructed or returned to service during the reporting period complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria in
- (A) Identification of the storage vessel with the control device.
- (B) Make, model, and date of purchase of the control device.
- (C) For each instance where the inlet gas flow rate exceeds the manufacturer's listed maximum gas flow rate, where there is no indication of the presence of a pilot flame, or where visible emissions exceeded 1 minute in any 15-minute period,
- (D) For each visible emissions test following return to operation from a maintenance or repair activity, the date of the visible emissions test, the length of the test, and the amount of time for which visible emissions were present.
- (viii) If complying with §60.5395a(a)(2) with a control device not tested under §60.5413a(d), identification of the storage vessel with the tested control device, the date the performance test was conducted, and pollutant(s) tested. Submit the
- (ix) If required to comply with §60.5395a(b)(1), the information in paragraphs (b)(6)(ix)(A) through (C) of this section.
- (A) Dates of each inspection required under §60.5416a(c);
- (B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of
- (C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements

- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the information specified in paragraphs (b)(7)(i) and (ii) of this (i)(A) For each collection of fugitive emissions components at a well site that became an affected facility during the reporting period, you must include the date of the startup of production or the date of the first day of production after modification.
- (B) For each collection of fugitive emissions components at a compressor station that became an affected facility during the reporting period, you must include the date of startup or the date of modification.
- (C) For each collection of fugitive emissions components at a well site where during the reporting period you complete the removal of all major production and processing equipment such that the well site contains only one or more wellheads, you must include a statement that all major production and processing equipment has been removed from the well site, the
- (D) For each collection of fugitive emissions components at a well site where you previously reported under paragraph (b)(7)(i)(C) the removal of all major production and processing equipment and during the reporting period major production

and processing equipment is added back to the well site, the date that the first piece of major production and processing

- (E) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under §60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar
- (F) For each new collection of fugitive emissions components at a well site where the average combined oil and natural gas production for the wells at the site is less than 15 boe per day, you must submit the combined oil and natural gas production
- (ii) For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in
- (A) Date of the survey.
- (B) Name or unique ID of operator(s) performing survey.
- (C) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
- (D) Monitoring instrument used.
- (E) Any deviations from the monitoring plan elements under §60.5397a(c)(1), (2), (7), and (8)(i) or a statement that there
- (F) Number and type of components for which fugitive emissions were detected.
- (G) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).
- (H) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.
- (I) The date of successful repair of the fugitive emissions component.
- (J) Number and type of fugitive emission components currently on delay of repair and explanation for each delay of repair.
- (K) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding, if the type of instrument is different from the type used during the initial fugitive emissions
- (L) Date of planned shutdown(s) that occurred during the reporting period if there are any components that have been
- (8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iv) of this section.
- (i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (B) or (C) of this
- (A) No control device or process is available on site.
- (B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.
- (C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to
- (ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the
- (A) A control device has been added to the location and the pneumatic pump now reports according to paragraph

section, the date and time the deviation began, duration of the deviation and a description of the deviation.

- (B) A control device has been added to the location and the pneumatic pump affected facility now reports according to
- (C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.
- (D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with §60.5393a(b)(5) through an engineering evaluation that it is technically (iii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(16)(ii) of this

- (iv) If required to comply with §60.5393a(b), the information in paragraphs (b)(8)(iv)(A) through (C) of this section.
- (A) Dates of each inspection required under §60.5416a(c);
- (B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of
- (C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements
- (12) You must submit the certification signed by the in-house engineer or qualified professional engineer according to §60.5411a(d) for each closed vent system routing to a control device or process.

§60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at

- (b) You must submit a report of excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period....The report must contain the information specified in paragraph (b)(3) of this section.
- (3) For each period of excess emissions during the reporting period, include the following information in your report:
- (i) The date and time of commencement and completion of each period of excess emissions;
- (ii) The required minimum efficiency (Z) and the actual average sulfur emissions reduction (R) for periods defined in
- (iii) The appropriate operating temperature and the actual average temperature of the gases leaving the combustion zone

Submittal Requirements

- (11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/).) You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. If you claim that some of the information required to be submitted via CEDRI is CBI, submit a complete report
- (13)If you are required to electronically submit a report through CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, you will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description identifying the date, time and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to
- (14) If you are required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred within the period of time beginning 5 business days prior to the date the submission is due, the owner or operator may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If you intend to assert a claim of force majeure, you must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each of forcities in a manager or processor must include the information procedure. In 1911 Mill Monage in the certain in all procedures are all procedures.

| For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports: |
|---|
| |
| |

| The asterisk (*) no | ext to each field indicates | that the corresponding f | ield is required. | | | | | | | | | | | _ | | | | |
|---------------------|--|--|--|--|--|-----------------|-------------|-------------|-------------------------|------------|--|----------------------------|------------------|--------------------|--------------------|--------------------|------------------------|---|
| SITE INFORMATIO | ON | | | | | | | | | | ALTERNATIVE ADDRESS INFORMATION (IF | NO PHYSICAL ADDRESS AVAILA | ABLE FOR SITE) * | | REPORTING | INFORMATION | ADDITIONAL INFORMATION | |
| | Company Name * (§60.5420a(b)(1)(i)) | Facility Site Name * (§60.5420a(b)(1)(i)) | US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i)) | Does the site have a physical address? (Select from dropdown list) | Address of Affected Facility * (§60.5420a(b)(1)(i)) | Address 2 | City * | County * | State Abbreviation * | Zip Code * | Description of Site Location (§60.5420a(b)(1)(i)) | | | Facility ID (State | Reporting Period.* | Reporting Period.* | | Enter associated file name reference. |
| | e.g.: ABL Company | Station | e.g.: 12-345-67890-12 | e.g.: Yes | | e.g.: Suite 100 | | | e.g.: IL | | e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456 | e.g.: 34.12345 | e.g.: -101.12345 | | e.g.: 01/01/2016 | | | e.g.: addlinfo.zip or XYZCompressorStation.pdf |
| | n Berry Petroleum Como | Poso Creek Production | Field | Yes | 4401 Gretlein Road | | Bakersfield | Kern County | CA | 93308 | | | | | 1/1/201 | 8 12/31/2018 | | |

| Based on your answers to the following questions, relevant tabs will appear i | n this work |
|---|-------------|
| Will you be reporting for the following affected facilities: | |
| Wells? | |
| Centrifugal Compressor? | |
| Reciprocating Compressor? | |
| Pneumatic Controller? | |
| Storage Vessel? | |
| Collection of Fugitive Emissions Components? | |
| Pnuematic Pump? | |
| Sweetening Unit? | |

60.5420a(b) Annual Report (Spreadsheet Template)

60.5420a(b)

v1.01

book.

| Will you be reporting for the following affected facilities: | |
|--|--|
| Wells? | |
| Centrifugal Compressor? | |
| Reciprocating Compressor? | |
| Pneumatic Controller? | |
| Storage Vessel? | |
| Collection of Fugitive Emissions Components? | |
| Pnuematic Pump? | |
| Sweetening Unit? | |

Do you need to report information for a fugitive monitoring survey?

DO NOT REMOVE OR EDIT INFORMATION IN ROWS 1-5 FOR INTERNAL USE ONLY

Template Name

Template Version

Last Updated Date

CitationID

Are you required to report information on cover and closed vent system inspections and monitoring for reciprocating compressors, centrifugal compressors, storage vessels or pneumatic pumps?

Do you need to report deviations for a well, centrifugal compressor, reciprocating compressor, penumatic controller, storage vessel, pneumatic pump, or control device tested under §60.5413a(d)?

45 CPR Part St. Handards of Performance for Crude OII and Natural Das Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 63.5628/[a] Annual Report For each west although Existing September 19, 2015 - 63.5628/[a] Annual Report September 19, 2015 - 63.5628/

| No activity "(and to see A liveral Artificity Assisted A liveral A | | | | | | | | | | | | | | | Well Affected facilities Meeting the | | | | | | | | | | | | | | |
|--|----------|--|---|--|--|--|---|--|--------------|----------------------|---|--|--|---|--|---|--|--|---|--|---|--|---|---|--|---|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | Wed Affected Facilities Subject to §60.5375a) | | | Exceptions Under §60.5175a(a)(1) | | Criteria of 660.3373a(e) |
| Facility Rec (Salect disapdown needs a | from (54 | Well Number * 0.5620(k)(1)(4) ed (k)(2)(4) | Does the well produce to than 300 set of gas per of tank barret of oli produce (beleat from dropstown to | oc fire you cubmitting ock less of the record? \$60.5420a(s))) the ID | (a digital photo or risk specified in rough (b)(2)(ev)? hypdown (st) | III Bowlock routed through permanent production equipment, including a permanent production separation' (behold from dropdown Ind.) | Please provide the file name that contains the Digital Photograph with Date Taken and Listiale and Langitude trobaded (or with Holde SMI), Shawing Required Supposed (§60.3620(b)(2)) Please provide only one file per record. | Latitude of the well (decimal degrees to 5 decimals using the North American Distur- of 2000) " (560.5-0204(0)(2)(4)) | of 2003) * | Reg scatch(s)(s)(i) | Ease of court of flowback following hydroutic fracturing or refracturing * (§40.36204(b)(X)(w)) | Time of oract of flowback following bydraulic fractures or refracturing * (+ (§4034224(s)(2))+ | Date of each attempts to direct flowback to a separator as a separ | Time of each attempt to direct flowback to a separator as required in (60.3175a(4(1)))* (60.3175a(4(1)))* | Date that the well was dout in and the flowbad equipment was permanently disconnected, at the Starbuy of production * (960.5420a(k)(2))v() | Time that the well us it that is and the flowbs equipment was primarently disconnected, or the startup of production (§60.3.630(8)(2)(v)) | CA Duration of flowbar (in hours) (660.5430a(b)(Z)(vi | ix Duration of recover (in hours) * () ((60.3420s/b)/2)(viii | Disposition of Receivery * (900 SETERAL(CI))-(4) (bless of from dispositions (60) | Duration of combustion (in board) * (sec 5470a(k)(1)(w)) | n Duration of ventry (in hours) * ((in hours) * | g Specific reasons for venting in the of capture or combustion (§40.5620(6)(2)(4)) | Is the well affected facility subject to \$40.3373a() ? (belock from drop-down loat) | Well Type * (562.5425(k)(2)(cit) (belout from dropdown fel) | (Set price(Cline)) probe-gain point and probe-gain point and | Are you claiming an exception under \$60.3373(2))? [beloct from dropdown but] | Specific Exception Claimed * (§60.54204)(C(ovl) (Salest Some drapations Sel) | Why the Well Meets the Claimed Eulephine (§60.5625a(k)(2)(k/e)) | Mease provide the file same that contains the supporting analysis that was performe in order to make that claim, including but most invoted to, 400% values for established leases and data from vestils inche came basis and field (§63.34234((2))/4)). Please provide only one file per record. |
| | +41 | 12-149-47990-12 (| ng:196 | eg:Yes | | g:796 | e.g.: completions.pdf ar YYZCompressorStation.pdf | +4:388908 | eg:-77.08326 | e g.: Completion.REC | +4: 30/34/38 | eg: 12 00 AM | +4:30/34/35 | eg: 12 00 AM | +4:30/36/36 | +4:3500 AM | 4415 | eg/3 | e.g.: Routed to the gat flow line or collection system | 4413 | 44:5 | e.g. No coste starage or combustion unit was available at the time of completion. | egites | eg. Wildcat well | eg:supportingEsta.pdf | | e.g.: Technical infrashility under 60.3375a(a)(3) | e.g.: As further described in this report, technical issues prevented the use of the gas for world purposes. | e.g.: 00%calcs.pdf ar xx2CompressorStation.pdf |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each centrifugal compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(3)(i) through (v) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required. Fields highlighted in black are not required. Centrifugal Compressors with Control Device Tested Under §60.5413a(d) Centrifugal Compressors with Control Device Not Tested Under §60.5413a(d) Was the pneumatic controller Facility Record No. * constructed, modified, or Compressor ID * Date the performance test was Was a control device used to Was the control device tested (Select from dropdov reconstructed during the reporting Make of Purchased Device * Model of Purchased Device * Pollutant(s) tested * Date of purchase * (§60.5420a(b)(1)((ii) reduce emissions? under §60.5413(d)? conducted * list - may need to scro period? * (§60.5420a(b)(3)(iv)(B)) (§60.5420a(b)(3)(iv)(B)) (§60.5420a(b)(3)(iv)(B)) (§60.5420a(b)(3)(v)) (Select from dropdown list) (§60.5420a(b)(3)(v)) and (b)(3)(i)) (Select from dropdown list) up) (§60.5420a(b)(3)(i)) (Select from dropdown list) e.g.: Comp-12b e.g.: Yes e.g.: Yes e.g.: Incinerator Guy e.g.: 400 Combustor e.g.: 12/10/2016 e.g.: 10/16/20616 e.g.: THC e.g.: Yes

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) through (iii) of this section in all annual reports:

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Compressor ID * (§60.5420a(b)(1)(ii)) | Are emissions from the rod packing being routed to a process through a closed vent system under negative pressure? * (§60.5420a(b)(4)(i)) (Select from dropdown list) | What are the cumulative number of hours or months of operation since initial startup, since August 2, 2016, or since the previous reciprocating compressor rod packing replacement (whichever is later)? * (§60.5420a(b)(4)(i)) | Units of Time Measurement * (§60.5420a(b)(4)(i)) (Select from dropdown list) |
|---|--|---|--|--|
| | e.g.: Comp-12b | e.g.: Yes | e.g.: 2 | e.g.: Hours |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic controller affected facility, an owner or operator must include the information specified in paragraphs (b)[5](i) through (iii) of this section in all annual reports:

| Facility Record No. * (Select from dropdown list - may need to scroll up) | Pneumatic Controller Identification (must allow traceability to the records in §60.5420a(c)(4)(iii) and (iv)) * (§60.5420a(b)(1)(ii), (b)(5)(i)) | constructed, modified, or | Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i)) (Select from dropdown list) | Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i)) | Does the Pneumatic Controller Affected Facility have a Natural Gas Bleed Rate Greater than the Applicable Standard * (§60.5420a(b)(5)(ii)) (Select from dropdown list) | Reason(s) Why the Pneumatic Controller Affected Facility has a Natural Gas Bleed Rate Greater than the Applicable Standard* (§60.5420a(b)(5)(ii)) |
|---|--|---------------------------|---|--|--|---|
| | e.g.: Controller 12A | e.g.: Yes | e.g.: March | e.g.: 2017 | | e.g.: safety bypass controller requires use of a high-bleed controller |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each storage vessel affected facility, an owner or operator must include the Information specified in paragraphs (b)(6)(i) through (ki) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required. Fields highlighted in black are not required.

| | | | | | | | | | | | | | Storage Vessel | s with a Control Device Tested Un | der §60.5413a(d) | Storage Vessels with a Control Devi | ce Not Tested Under §60.5413a(d) |
|--|--------------------------|---------------------|--|---|--|---|--|--|--|---|---|---|---|-----------------------------------|---|---|--|
| Facility Record N (Select from dropdown list - need to scroll u | (§60.5420a(b)(1)(ii) and | reporting period? * | Does the storage vessel comply with §60.5395a(a)(2) using a control device? (Select from dropdown list) | Was the control device tested under §60.5413a(d)? (Select from dropdown list) | Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(1)) | Longitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i)) | I have fulfilled the requirements of §60.5410a(h)(2) and (3). * (§60.5420a(b)(6)(iv)) (Select from dropdown list) | Was the storage vessel removed from service during the reporting period? * (\$60.5420a(b)(6)(v)) (Select from dropdown list) | If removed during this reporting period, date(s) removed from service. * (§60.5420a(b)(6)(v)) | Was the storage vessel returned to service during the reporting period? * (§60.5420a(b)(6)(vi)) (Select from dropdown list) | reporting period, date(s) returned to service. * (ASO SAZON/h)(S)(4)) | Documentation of the VOC emission rate determination according to §60.5365a(e) * (§60.5420a(b)(6)(ii)) | Make of Purchased Device * (§60.5420a(b)(6)(vii)(B)) | | Date of Purchase * (§60.5420a(b)(6)(vii)(8)) | Date the performance test was conducted * (§60.5420a(b)(6)(viii)) | Pollutant(s) tested * (§60.5420a(b)(5)(viii)) |
| | e.g.: Tank 125 | e.g.: Yes | e.g.: Yes | e.g.: Yes | e.g.: 34.12345 | e.g.: -101.12345 | e.g.: Yes | e.g.: Yes | e.g.: 11/15/16 | e.g.: Yes | | e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information. | e.g.: Incinerator Guy | e.g.: 400 Combustor | e.g.: 12/10/2016 | e.g.: 10/16/20616 | e.g.: THC |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each component at each compone

| Facility Record No (Select from dropdown list - m need to scroll up | Affected Facility * | Did this become an affected facility during the reporting period? (Select from dropdown list) | Where are the collection of fugitive emissions components located? | of all major production and processing equipment during | to another site after the removal of all major production and processing equipment? | add back major production and | Production or Date of the First Day of | Date of Removal of the | Well ID or Separate Tank Battery ID Receiving the | Production and Processing Equipment Added Back * | If the average combined oil and natural gas production for the wells at the site is less than 15 boe per day, the combined oil and natural gas production for the wells at the site, averaged over the first 30 days of production. (in boe) * (560.5420a(b)(7)(i)(F)) | Date of Startup or the | 60.5397a(g)(5)? * | Calendar Months of the Quarterly Monitoring Pariod with Waised Surgey * | Date of Planned Shutdown(s) that Occurred During the Reporting Period if Components are on Delay of Repair * (§60.5420a(b)(7)(ii)(L)) |
|--|----------------------------|--|--|--|---|-------------------------------|---|------------------------|--|---|--|------------------------|-------------------|--|---|
| | e.g.: Well Site ABC | e.g.: Yes | e.g.: well site | e.g.: Yes | e.g.: Yes | e.g.: Yes | e.g.: 1/1/18 | e.g.: 1/1/18 | e.g.: 12-345-67890-12 | e.g.: 1/1/18 | e.g.: 12 | e.g.: 1/1/18 | e.g.: Yes | e.g.: January; February; and March | e.g.: 1/1/18 |
| | 0 Poso Creek Tank Facility | No | compressor station | | | | | | | | | | No | | |

40 CTR Part 50 - Standards of Performance for Crude Oil and Natural Gas facilities for which Communication, Modification or Reconstruction Commenced After September 18, 2015 - 10.5423a(a)) Annual Report For the collection of figilities emissions components at each compressor station within the company-defined area, for each figilities emissions.

med during the annual reporting period, submit the information specified in paragraphs (b)(7)(0)(A) through (t) of this section in all annual reports:

| Facility Re (Select dropdown need to: | ord No. * Identification of Each from Affected Facility * (§60.5420a(b)(1)(ii)) roil up) (Select from dropdown list | Date of Survey * (§60.5420a(b)(7))1)(A | Name or unique ID of Surveyor * (§60.5420a(b)(7))((IS)) | Ambient Temperature During Survey * (§60.5420a(b)(7)(i)(C)) | Survey * | Maximum Wind Speed During Survey * (§60.5420a(b)(7)(s)(C) | Monitoring Instrument Used * (§60.5420a(b)(7)(ii)(D)) | | Type of Component for which Fugitive Emissions Detected * | | Repaired as Required in | Type Not Repaired as Required in § 60.5397a(h) * | Monitor Components Monitored * | Number of Each Difficult-to- Monitor Component Type Monitored * (§60.5420a(b)(7)(i)(f()) | Monitor Component Monitored * | to-Monitor Component Type Monitored * | Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(i)(i) | | Number of Each Component Type Placed on Delay of Repair * (§60.5420a[b](7](8)(J)) | Repair * | Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey of Offerent from Type Used During Original Survey) * (900.5420a(07)(4)(0) |
|--|---|---|---|---|------------------------|---|---|------------|--|-------|-------------------------|---|-----------------------------------|---|----------------------------------|--|---|-------------|--|---|---|
| | e.g.: Well Site ABC | e.g.: 8/13/17 | e.g.: John Smith | e.g.: 90°F | e.g.: Sunny, no clouds | e.g.: 2 mph | e.g.: Company ABC optical gas imaging camera | e.g.: None | e.g.: Valve | eg: 3 | e.g.: Valve | e.g.:1 | e.g.: Valve | egil | e.g.:Valve | e.g.:1 | e.g.: 11/10/16 | e.g.: Valve | eg:1 | e.g.: Unsafe to repair until next shutdown | e.g.: Company ABC optical gas imaging camera |
| | O Poso Creek Tank Facility O Poso Creek Tank Facility | | /2018 Mike Tafoya /2018 Mike Tafoya | 95 F 54F | no clouds cloudy | 1 mph 3 mph | | none | PRV none | | 4 none none | | PRV PRV | | 6 none 6 none | | 6/29/2018 | | | | |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iv) of this section in all annual reports:

| a g. Dump 12 a g. Voc a g. ECC E20x/b/10/10/10/10 Pout of the control device/process and label and a graph of the control device/process and label and and | Facility Record No. * (Select from dropdown list - may need to scroll up) | Pump ID * (§60.5420a(b)(1)(ii)) | Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (§60.5420a(b)(8)(i)) (Select from dropdown list) | | Has the pneumatic pump affected facility been previously reported under §60.5420a(b)(8)(i), and has a change in its reported condition occurred during this reporting period? (§60.5420a(b)(8)(ii)) (Select from dropdown list) | | Which condition does the pneumatic pump meet? * [\$60.5420a b)(0(ii)) [Select from dropdown list) | Is the control device is designed to achieve less than 95 percent emissions reduction? * (Select from dropdown list) | What is the percent emissions reduction of the control device? * (5560.5420a(b)(8)(i)(C) and (ii)(A)) |
|--|---|------------------------------------|--|--|---|----------------|---|---|---|
| e.g., rotilp 12 e.g., res e.g., 200.3420a[0]/o[/i]/c) - notice to a control device/process e.g., res e.g., 200.3420a[0]/o[/i]/c) | | e.g.: Pump 12 | e.g.: Yes | e.g.: §60.5420a(b)(8)(i)(C) - Routed to a control device/process | e.g.: Yes | e.g.: 10/15/17 | e.g.: §60.5420a(b)(8)(ii)(C)-No control device/process available | e.g.: Yes | e.g.: 90% |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a[b] Annual Report

§60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants? You must submit a report of excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period. The report must contain the information specified in paragraph (b)(3):

The asterisk (*) next to each field indicates that the corresponding field is required. Fields highlighted in black are not required.

| Facility Record No. * (Select from dropdown list may need to scroll up) | Identification of Sweetening Unit * (§60.5420a(b)(1)(ii)) | Period * | Date of Commencement of Excess Emissions Period * (§60.5423a(b)(3)(i)) | Time of Completion of Excess Emissions Period * (§60.5423a(b)(3)(i)) | Date of Completion of Excess Emissions Period * (§60.5423a(b)(3)(i)) | Which type of excess emissions is this? (Select from dropdown list) | Required Minimum Efficiency (Z) * (§60.5423a(b)(3)(ii)) | Actual Average Sulfur Emissions Reduction Efficiency (R) * (§60.5423a(b)(3)(ii)) | Appropriate Operating Temperature * (§60.5423a(b)(3)(iii)) | Actual Operating Temperature * (§60.5423a(b)(3)(iii)) |
|--|---|----------------|---|--|--|--|---|---|--|---|
| | | e.g.: 10:00 am | e.g.: 1/1/19 | e.g.: 2:00 pm | e.g.: 1/2/19 | e.g.: Sulfur emission reduction efficiency | e.g.: 97.5 | e.g.: 95 | e.g.: 820 C | e.g.: 750 C |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each cover and closed vent system subject to \$60.5416a, an owner or operator must include the information specified in paragraphs (b)(3)(iii), (b)(4)(iii), (b)(6)(ix), and (b)(8)(iv) in all annual reports, as applicable:

| Facility Record No. * (Select from dropdown list - may need to scroll up) | (§60.5420a(b)(1)(ii)) (Select from dropdown list) | Affected Source ID * (§60.5420a(b)(1)(ii)) | Date of each inspection * (§60.5420a(b)(3)(iii)(A), (b)(4)(iii)(A), (b)(6)(ix)(A), (b)(8)(iv)(A)) | Leak or defect identified during the inspection * (\$60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(iv)(B)) | How was the defect or leak repaired? * (\$60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(iv)(B)) | Has the repair been completed or delayed? * (\$60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(iv)(B)) (Select from dropdown list) | Date of Repair or Anticipated Date of Repair * (§60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(bx)(B), (b)(8)(iv)(B)) | Date of Bypass Alarm or Key Checked Out * (\$60.5420a(b)(3)(iii)(C), (b)(4)(iii)(C), (b)(6)(ix)(C), (b)(8)(iv)(C)) | Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file per record. |
|--|--|--|---|--|---|--|--|--|--|
| | e.g.: centrifugal compressor | e.g.: Comp-S2a | e.g.: 10/16/2016 | e.g.: Compressor seal leaking | e.g.: Replaced seal | e.g.: Completed | e.g.: 1/1/17 | e.g.: 10/16/16 | e.g.: Certification.pdf or XYZCompressorStation.pdf |

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iv) of this section in all annual reports:

| Facility Record No. * Select from dropdown list - may need to scroll up) | Type of Affected Source * (\$60.5420a(b)(1)(ii)) (Select from dropdown list) | Affected Source ID * (§60.5420a(b)(1)(ii)) | Is this a deviation of a control device tested under §60.5413a(d)? * (§60.5420a(b)(3)(iv)(C); (b)(6)(vii)(C)) (Select from dropdown list) | Type of deviation * (§60.54204b)(3)(n)(C); (b)(6)(vii)(C)) (Select from dropdown list) | Description of deviation * (§60.5420a(b)(2)(xiii; (b)(3)(iii); (b)(4)(iii); (b)(5)(iii); (b)(5)(iii); (b)(9)(iii) | Date deviation began * (\$60.5420a(b)(2)(xii); (b)(3)(ii); (b)(3)(iv)(C); (b)(4)(ii); (b)(5)(iii); (b)(6)(iii); (b)(6)(vii)(C); (b)(8)(iii) | (\$60.5420a(b)(2)(xii); (b)(3)(ii); (b)(3)(iv)(C); (b)(4)(ii); (b)(5)(iii); | Duration of deviation * (\$60.5420a(b)(2)(xii); (b)(3)(ii); (b)(3)(iv)(C); (b)(4)(ii); (b)(5)(iii); (b)(6)(iii) | (\$60.5420a(b)(2)(xii); (b)(3)(ii) (b)(3)(iv)(C); (b)(4)(ii); (b)(5)(iii); (b)(6)(iii); | Was the combustion unit returned to operation from a maintenance or repair activity? (§60.5420a(b)(3)(iv)(D); (b)(6)(vii)(D)) (Select from dropdown list) | Date of Visible Emissions Test * (§60.5420a(b)(3)(iv)(D); | Length of the Test * (\$60.5420a(b)(3)(iv)(D); (b)(6)(vii)(D)) | Amount of Time Visible Emissions Present * (§60.5420a(b)(3)(iv)(D); (b)(6)(vii)(D)} |
|---|--|---|--|---|---|---|---|--|---|--|---|--|--|
| | e.g.: centrifugal compressor | e.g.: Comp-2A-1 | e.g.: Yes | | e.g.: A separator was not onsite for part of the flowback period. | e.g.: 10/16/16 | | | | | | e.g.: 1 hour | e.g.: 0 minutes |

To Whom It May Concern

Certification of Truth and Accuracy

| This certification states that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete: | |
|--|--|
| July 3,2019 | |
| Date | |
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